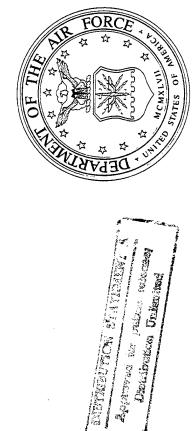
A(D)-1

# DEPARTMENT OF THE AIR FORCE

HIM

COMMITTEE STAFF PROCUREMENT BACKUP BOOK FY 1998/1999 BIENNIAL BUDGET ESTIMATES **FEBRUARY 1997** 



19970314 015

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

DTIC QUALITY INSPECTED 1



#### Volume I AIRCRAFT PROCUREMENT

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, D	

# AIRCRAFT PROCUREMENT, AIR FORCE

ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and other expenses necessary for the foregoing purposes including rents and transportation of things; to remain available for For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized acquisition of land, for the forgoing purposes, and such lands and interests therein, may be acquired, and construction obligation until September 30.

#### OF ACRONYMS GLOSSARY

AIM - Air Intercept Missile

AGM - Air-to-Ground Missile

AIS - Avionics Intermediate Shop

ACMI - Aircraft Combat Maneuvering Instrumentation

AMRAAM - Advanced Medium-Range Air-to-Air Missile

**AUTODIN** - Automated Digital Network

AWACS - Airborne Warning and Control System

BLSS - Base Level Self-Sufficiency Spares

BY - Budget Year

C3 - Command, Control, and Communication System

CFE - Contractor Furnished Equipment

CONUS - Continental United States

CPMS - Comprehensive Power Management System

CPT - Cockpit Procedures Trainer

CRA - Continuing Resolution Authority

CTS - Countermeasures Test Set

CY - Current Year

**DDTE** - Design, Development, Test and Evaluation

**ECCM** - Electronic Counter Counter Measures

ECM - Electronic Counter Measures

**ECO - Engineering Change Orders** 

EOQ - Economic Order Quantity

ECP - Engineering Change Proposal

EPA - Economic Price Adjustment

EW - Electronic Warfare

EWAISP - Electronic Warfare Avionics Integration Support Facility

FLIR - Forward Looking Infra Red

FOT&E - Follow-on Test and Evaluation FOC - Fully Operational Capability

FLTS - Flight Line Test Set

FPIF - Fixed Price Incentive Firm

FPIS - Fixed Price Incentive Fee, Successive Targets

GFE - Government Furnished Equipment

GPS - Global Positioning System

GSE - Ground Support Equipment

IOC - Initial Operating Capability

IPE - Increased Performance Engine

**JANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night** 

METS - Mobile Electronic Test Stations

MYP - Multiyear Procurement

MSIP - Multi-Stage Improvement Program

NMC Rate - Not Mission Capable Rate

OFP - Operational Flight Program

OT&E - Operational Test and Evaluation

**OWRM - Other War Reserve Material** 

PAGEL - Priced Aerospace Ground Equipment List

PB - President's Budget

PGSE - Peculiar Ground Support Equipment

PMC - Procurement Method Code

PR - Purchase Request

PTT - Part Task Trainer

PY - Prior Year

R&M - Reliability and Maintainability

RAA - Required Asset Availability

RDT&E - Research, Development, Test and Evaluation

RWR - Radar Warning Receiver

ROM - Rough Order of Magnitude

SAM - Surface-to-Air Missile

SS - Sole Source

SOF - Special Operation Force

**FAF** - Tactical Air Force

**IEWS - Tactical Electronic Warfare System** 

**FISS - TEWS Intermediate Support System** 

TOA - Total Obligation Authority
WMP - War Mobilization Plan
WRM - War Reserve Material
WST - Weapon System Trainer
UHF - Ultra High Frequency
VHSIC - Very High Speed Integrated Circuit

#### **ORGANIZATIONS**

NATO - North Atlantic Treaty Organization **USAFE** - United States Air Forces Europe OSD - Office of the Secretary of Defense FAA - Federal Aviation Administration AFMC - Air Force Material Command ASC - Aeronautical Systems Center ATC - Air Training Command ACC - Air Combat Command PACAF - Pacific Air Forces ALC - Air Logistics Center

#### TERMS

Advanced Buy - Obligating fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts

Avionics - Electronic equipment on-board aircraft

Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers

Chaff Flare - Radar and infrared countermeasures

Depot - Wholesale level repair and supply point

Drone - An object used for target practice

Fly by wire - Full authority electronic flight control system

Ground Clutter - Objects on the ground which cause distorted or misleading radar readings

Interdiction - Operational term for behind the front line bombing

Inter theater - Global

Intratheater - Within given area

Mobilization - The ability to move war fighting equipment from one place to another

Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16

Off the Shelf - Commercially available equipment

Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and

returned for use in serviceable condition

Prototype - A working model transforming a developmental idea into reality

Provisioning - The process of determining and contracting for spare parts required to support new production systems for the

initial support period

Pylon - Munitions adapter

Readiness - Ability to go to war and support initial deployment

Robotics - Automated manufacturing technique

S-Band - Radio frequency spectrums from 1550 to 3900 MHZ

Solicitation - The process of requesting proposals from private industry for goods and services required by the government

Surge - The period of time between normal operations and increased operations

Sustainability - Ability to sustain wartime combat rates after initial surge

### DEPARTMENT OF THE AIR FORCE

FY 1998/1999 PROCUREMENT PROGRAM

SUMMARY (\$ IN MILLIONS)

FEB 1997

FY 1999

1,073.2 2,960.6 92.5 920.3 431.7

1,088.8

1,512.7

8,079.8

	FY 1998	: 0 : 2 : 2	2,251.4	65.4	645.7	2000	0.000;	8.669	5,817.8
	FY 1997	616.0	2,411.5	71.5	854.3	1.687.7	170.6	673.1	6,484.8
	FY 1996	1,311.8	2,715.4	25.6	472.0	1,302.4	541.5	780.4	7,149.1
APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE	ACTIVITY	O1. COMBAT AIRCRAFT	02. AIRLIFT AIRCRAFT	03. TRAINER AIRCRAFT	04. OTHER AIRCRAFT	O5. MODIFICATION OF INSERVICE AIRCRAFT	OG. AIRCRAFT SPARES AND REPAIR PARTS	O7. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	TOTAL

UNCLASSIFIED

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\* ITEMS UNDER \$50,000

### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					DATE: FEB 1997
I INF					! ! ! !	MILLIONS OF DOLLARS
NO ITEM NOMENCLATURE	IDENT CODE	FY 1998 UNIT COST	QUANTITY COST	QUANTITY COST	-FY 1998- ITITY C	
BUDGET ACTIVITY 01: COMBAT AIRCRAFT					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
STRATEGIC OFFENSIVE						
1 B-18	മ		д 2			
2 B-2A	œ		r ()	13.5	10.9	ח
TACTICAL FORCES	1		749.0	91.3	174.1	ם
3 ADVANCED TACTICAL FIGHTER LESS: ADVANCE PROCUREMENT (PY)	⋖					2 (900.5)U
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1 1 1	(-162.1)
4 ADVANCED TACTICAL FIGHTER						738.4
(FY 1997 FOR FY 1999) (MEMO) (FY 1998 FOR FY 1999) (MEMO)				81.3 (81.3)	80.9	169.8 U
(FY 1999 FOR FY 2000) (MEMD)					(80.9)	(0.007)
5 F-15A LESS: ADVANCE PROCUREMENT (PY)	∢	53,000,000	6 (302.8)	6 (323.7)	3 (159.0)	3 (176.0)U
			302.8	275.2	159.0	165 0
6 F-15A ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMD)			48.5		11.0	
(FY 1998 FOR FY 1999) (MEMO)			(6.97)		(11.0)	•

UNCLASSIFIED

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#### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1 APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

			1 1 1 1 1 1	;			DATE: FEB 1997
TAILE			1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		F DOLLARS
NO ITEM NOMENCLATURE	IDENT CODE		QUANTITY	QUANTITY COST	QUANTITY COST	QUANTITY	98 E COST QUANTITY COST C
7 F-16 C/D (MYP)	∢		ø	157.1	<u>.</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TOTAL COMBAT AIRCRAFT				1.311.8	ŀ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D :
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT				) - - - -	0.00	435.8	1,073.2
TACTICAL AIRLIFT							
8 C-17 (MYP) . LESS: ADVANCE PROCUREMENT (PY)	B	241,012,333	œ	(2396.7)	8 (2152.6)	9 (2169.1)	13 (2984.3)U
				2206.8	1900.8	(-245.8)	(-327.2)
						8.626	7697.1
ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMD) (FY 1996 FOR FY 2002) (MEMD) (FY 1996 FOR FY 2003) (MEMD)				278.8 (221.8) (38.0)	211.8	278.2	303.5 U
1997 FOR FY 1998) (1998 FOR FY 1999) (1999 FOR FY 2000)				(19.0)	(211.8)	(278.2)	
10 EC-130J	∢				-		(303.5)
OTHER AIRLIFT					-		<b>.</b>
11 C-130J	∢	49,928,000	8	0.86	t 69		
12 WC-130J	4		c			- 9.94	n
TOTAL ATDITET ATDOBACT	:		3	5 - 1 - 1	3 165.7	1	ח
ייין אואלאארן אואלאארן אואלאארן				2,715.4	2,411.5	2,251.4	2,960.6

\* ITEMS UNDER \$50,000

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#### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1 DATE: FEB 1997 APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

				111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3	DAIE: 150 1997	/88-
!		(DOLLARS)		; ; ;	1	 		TIW	MILLIONS OF DOLLARS	
LINE NO ITEM NOMENCLATURE	IDENT	FY 1998 UNIT COST	_	9e	QUANTITY COST		QUANTITY COST QUANTITY COST	QUANTITY COST	QUANTITY COST	1999~ E COST C
BUDGET ACTIVITY 03: TRAINER AIRCRAFT										f 1 1 1 1 1
13 UPATS	⋖	3,634,166	ю	15.3	15	67.1	18	65.4	12	وه 1
14 TANKER, TRANSPORT, TRAINER SYSTEM	80		-	10.3		4.5			! -	) ;
TOTAL TRAINER AIRCRAFT			į	25.6	,	71.5		: V		
BUDGET ACTIVITY 04: OTHER AIRCRAFT						<b>)</b> • •		† ? ?		82.5 82.0
HELICOPTERS										
15 HH-60G	∢				œ	107.8				=
MISSION SUPPORT AIRCRAFT										0
16 CIVIL AIR PATROL A/C	A	97,962	27	2.6	27	2.6	27	0	7.0	
17 SMALL VCX (C-37)	٧				8	99.2	i	) i	7	)    - 
18 LARGE VCX (C-32A)	٧	95,058,000					8	190.1	c	767
19 DRUG INTERDICTION	4			4.6			•	•		2
OTHER AIRCRAFT										0

### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

(683.4)U (-115.2) сшо 103.0 U (103.0)COST 568.2 MILLIONS OF DOLLARS ----FY 1999---DATE: FEB 1997 QUANTITY Q COST (380.9) ----FY 1998----(22.4)314.0 22.4 116.5 QUANTITY ភ COST (55.6) (85.4) ----FY 1997----(524.3) (-128.5) 395.9 141.0 107.8 QUANTITY N 9 COST (520.9) (-148.8) 95.8 (95.8) ----FY 1996----372.1 QUANTITY N (DOLLARS) FY 1998 UNIT COST 380,949,000 7,767,066 IDENT CODE œ LESS: ADVANCE PROCUREMENT (PY) FY 1996 FOR FY 1997) (MEMO) (FY 1997 FOR FY 1998) (MEMO) (FY 1997 FOR FY 1999) (MEMO) (FY 1998 FOR FY 1999) (MEMO) (FY 1999 FOR FY 1999) (MEMO) (FY 1999 FOR FY 2000) (MEMO) ITEM NOMENCLATURE 22 PREDATOR UAV 21 E-8C 20 E-8C LINE

		9 te.3 U	2 127.4 U	
		13.9	114.2	28.9
	ď	0	136.3	20.3
	000		66.5	4.8
	A	•	4	<b>V</b>
STRATEGIC AIRCRAFT	23 B-2A MODS	24 B-1B MODS		23 B-32 MUDS

79.3 U

Ŧ

920.3

645.7

854.3

472.0

BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT

TOTAL OTHER AIRCRAFT

\* ITEMS UNDER \$50,000

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### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

EXHIBIT P-1

TITLE TO THE TOTAL TROUBLE TO THE TOTAL TO	KEMENT, AIR FORCE	ORCE		DATE: FEB 1997	
	(DOLLARS)	(BS)		 	
NO ITEM NOMENCLATURE	IDENT FY 1998 CODE UNIT COST	-	QUANTITY COST	QUANTITY COST QUANTITY COST	νшυ
26 F-117 MODS	٩	46.3	o		1
TACTICAL AIRCRAFT			4	28.3 29.3 U	<b>-</b>
27 A-10 MODS	Ø	0.72	0		
28 F/RF-4 MODS	٧	) <del>*</del>	0.00	25.0 28.3 U	_
29 F-15 MODS	۵	. r		D	_
30 F-16 MDDS	•	9 6	9.801	169.6 193.1 U	_
31 EF-111 MODS	٠ •	9.611	133.8	216.2 227.8 U	_
32 T/AT-37 MODS	∢ .	*	6.	. 2 U	_
1000 10 10 10 10 10 10 10 10 10 10 10 10	<b>∀</b>	<b>~</b> .	₹.	U 1.	_
AIRLIF! AIRCRAF!					
33 C-5 MODS	∢	6.09	54.0	: : : : : : : : : : : : : : : : : : :	
34 C-9 MODS	۷	9.6	· σ		-
35 C-17 MODS	⋖	8 00			_
36 C-21 MODS	۷		t - D	59.1 42.9 U	_
37 C-22 MODS	:		4.8	П О · 6 · 9	_
38 C-STOL MODS	₹ .	7.	4.	.3 .2 U	_
	⋖	ო.	8.	₽.	_
sa C-18/ MUDS	∢	15.3	5.3	2.3	_

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1 DATE: FEB 1997

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

6.8 U 3.4 U .4 U ⊃ T. ⊃ <del>-</del>. 1.10  $\supset$ 29.3 U 8.0 U 55.1 U 2.5 ∪ 104.6 U QUANTITY COST 2.3 ----FY 1999---114.9 MILLIONS OF DOLLARS 139.2 COST ----FY 1998----QUANTITY COST 30.7 7.0 14.8 ٣. 10.3 14.5 6.5 137.9 4.7 ო 10.8 Τ. 94.5 134.7 ----FY 1997----QUANTITY COST 7.3 52.3 9.3 6.6 13.2 11.0 -: 6.9 237.0 ۲. 101.7 265.9 3.9 COST ----FY 1996----90.6 5.6 2.5 24.7 3.1 2.6 11.7 84.0 14.1 9.4 237.1 222.8 8.6 QUANTITY (DOLLARS) FY 1998 UNIT COST IDENT CODE 1 1 1 ⋖ ⋖ ITEM NOMENCLATURE TRAINER AIRCRAFT OTHER AIRCRAFT 40 C-141 MDDS 46 KC-10 M0DS 50 VC-25A MOD 51 C-130 MODS 52 C-135 MODS 43 T-38 MODS 44 T-41 MODS 45 T-43 MODS 47 C-12 MODS 49 C-20 MODS 48 C-18 MODS 41 T-1 MODS 42 T-3 MODS 53 E-3 MODS 54 E-4 MODS

\* ITEMS UNDER \$50,000

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### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DATE: FEB 1997
LINE		(DOLLARS)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	MILLIONS OF DOLLARS
NO , ITEM NOMENCLATURE	CODE	FY 1998 UNIT COST	QUANTITY COST	FY 1997 QUANTITY COST	FY 1998 QUANTITY CD	
55 E-8 MODS	∢					
56 H-1 MODS	4		:			72.9 U
57 H-60 MODS	: ∢		18.4	8.8	2.8	18.9 U
58 OTHER AIRCRAFT MODS	: ∢			0.9	16.9	19.3 U
OTHER MODIFICATIONS	•		28.6	35.1	33.1	99.4 11
59 CLASSIFIED PROJECTS MODS	4		o o	c		
60 DARP MODS	4		- r.	0.8	7.6	7.8 U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT			1.302.4	279.4	67.1	77.2 U
BUDGET ACTIVITY O6: AIRCRAFT SPARES AND REPAIR		PARTS			1,369.8	1,512.7
AIRCRAFT SPARES + REPAIR PARTS						
61 SPARES AND REPAIR PARTS	∢		541.5	470.6		
TOTAL AIRCRAFT SPARES AND REPAIR PARTS			541.5	170.6	0.020	431.7 U
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT		AND FACILITIES			0.065	431.7

COMMON SUPPORT EQUIPMENT

#### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1
DATE: FEB 1997

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

сπо 8.10 165.4 U 11.8 U 28.7 U  $\supset$ 235.5 U 29.6 U 27.8 U 359.0 U 59.7 U QUANTITY COST MILLIONS OF DOLLARS COST ----FY 1998----151.2 67.6 2.8 22.4 25.9 8.1 275.8 QUANTITY COST ----FY 1997----QUANTITY COST 160.1 7.5 9.99 33.1 56.2 194.3 COST ----FY 1996----207.9 7.0 122.3 171.4 24.6 38.4 ω. QUANTITY (DOLLARS) FY 1998 UNIT COST IDENT CODE ⋖ ⋖  $\boldsymbol{\omega}$ 71 CANCELLED ACCOUNT ADJUSTMENTS 62 COMMON SUPPORT EQUIPMENT ITEM NOMENCLATURE 68 INDUSTRIAL PREPAREDNESS 70 MISC PRODUCTION CHARGES OTHER PRODUCTION CHARGES POST PRODUCTION SUPPORT INDUSTRIAL PREPAREDNESS 64 B-2A POST PROD SUPP 66 F-15 POST PROD SUPP 67 F-16 POST PROD SUPP 63 A-10 POST PROD SUPP 65 C-5 POST PROD SUPP COMMON ECM EQUIPMENT 69 WAR CONSUMABLES WAR CONSUMABLES

UNCLASSIFIED

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\* ITEMS UNDER \$50,000

### DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

EXHIBIT P-1

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!	(DOLLARS)			!	MILLIONS OF DOLLARS
LINE IDENT NO ITEM NOMENCLATURE CODE			QUANTITY COST QUANTITY COST	QUANTITY COST QUANTITY COST C	ST QUANTITY COST C
72 COMMON ECM EQUIPMENT		4.7	4		
DARP				<b>4.</b> 0	5.2 U
73 DARP		203	Сп		
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	ES	780.4	1.00.	141.5	157.9 U
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE		7,149.1	6,484.8	5,817.8	1,088.8  8,079.8

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01,COMBAT AIRCRAFT	B-1B BOMBER

	FY 1996	FY 1996 FY 1997 FY1	FY1998	FY1999	FY2000	FY 2001	FY 2002	FY 2003	To	Total
OITANTITY	U	0		0	O	0	0		Comp	
COMMITT T								>	ρ	>
COST (IN millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (In Millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Unit Cost (in M)										

### MISSION AND DESCRIPTION:

conventional bombers to meet the demands of responding rapidly to security threats from various regions around the world. The B-1B is the weapon system to meet the challenge of these threats. Funding will support Interim Contractor Support (ICS) repair until organic capability The B-1B has been designated as the "backbone" of the conventional bomber force. National Security will increasingly depend on can be established. Organic repair capability is projected to be completed in FY 2000.

# FY 98/99 PROGRAM JUSTIFICATION:

Contractor Support services include data management, contractor operated storage sites, packaging, handling, transportation and material Interim Contractor Support (ICS) provides for both Intermediate and Depot Level Repair services for the B-1B weapon system. Interim control systems for items requiring repair. Types of items repaired on ICS include: gearbox assemblies, manifold assemblies, vertical indicators, auxiliary power units and power drive units.

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AIRCRAFT COST ANALYSIS	A. Appn/Budget	idget	B. Popular Name	Name	C. Manufacturer	cturer	D. Date	Feb-97
(Dollars in Millions)			B-1B		Rockwell Int'l	Ę.		
	FY96	QTY	FY97	QTY 0	FY98	QTY	FY99	ATY 0
		•		Total	} -		<u> </u>	
	Cost	Cost	Cost	Cost	Cost		Cost	
AIRFRAME/CFE ENGINE/ACCESSORIES Eng Model: AVIONICS ARMAMENT OTHER GFE ECO (All Flyaway Components) NON-RECURRING COSTS		0.0		0.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics) ENGINE PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA ECO (ALL SUPPORT ITEMS)								
OTHER (ICS) Program Management Administration (PMA)		54.4		13.5		10.9		0.0
Subtotal SUPPORT COST		54.4		13.5		10.9		0.0
GROSS P-1 COST		54.4		13.5		10.9		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		54.4		13.5		10.9	:	0.0
								EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	B-2A BOMBER

	FY	FY 1997	FY1998	FY1999	FY 2000	FY1999   FY 2000   FY 2001   FY 2002   FY 2003	FY 2002	FY 2003	To	Total
	96/Prior								Comp	
QUANTITY	15	0	0	0	0	0	0	0	0	15
COST (IN millions)	17352.6	91.3	174.1	0	0	0	0	0	0	17618.0
Initial Spares (in M)	888.1	35.0	67.7	0	0	0	0	0	0	8.066
Total (In Millions)	18240.7	126.3	241.8	0	0	0	0	0	0	18608.8
Unit Cost (in M)	1156.8									

### MISSION AND DESCRIPTION:

worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform and acquisition strategy provides the user a capability for the lowest possible cost.

# FY 98/99 PROGRAM JUSTIFICATION:

training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and The FY 1998/99 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew non-recurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

UNCLASSIFIED

EXHIBIT P-40

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AIRCRAFT COST ANALYSIS	A. Appn/Budget	ıdget	B. Popular Name	. Name	C. Manufacturer	cturer	D. Date	Feb-97
EXHIBIT P-5	Activity Litle/No.	le/No.						
(Dollars in Millions)	Aircraft Procurement Combat Aircraft/BA 1	Aircraft Procurement Combat Aircraft/BA 1	B-2 Advanced Tech Bomber		Northrop/Grumman Pico/Rivera, CA	irumman i, CA		
		QTY		QTY		QTY		QTY
	FY96	0	FY97	0	FY98	0	FY99	
	Unit	Total	Unit	Total	Unit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost		Cost
AIRFRAME/CFE		0.0		0.0		0.0		0.0
AV 1 UPGRADE		476.8		0.0		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		8.7		9.8		0.0		0.0
OTHER GFE		0.0		0.0		0.0		0.0
ECO (All Flyaway Components)		2.7		5.3		11.5		0.0
NON-RECURRING COSTS		19.0		23.7		21.8		0.0
	ď	0.0	,	0.0	0	0.0		0.0
Subtotal FLYAWAY COSTS	0.0	507.2	0.0	38.8	0.0	33.3	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		47.0		15.4		8.8		0.0
ENGINE PGSE		2.1		0.0		0.0		0.0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT		55.5		8.6		12.0		0.0
PUBLICATIONS/TECH. DATA		15.0		0.7		5.5		0.0
OTHER (ICS)		17.2		4.5		44.0		0
S/W INVESTMENT		86.3		<u> </u>		42.1		0.0
Program Management Admin Reqmt (PMAR)		12.3		15.1		11.5		0.0
OTHER CONTROLL STORY		0.5		7.7		2.71		0.0
Subtotal SUPPORT COST		241.9		52.5		140.8		0.0
GROSS P-1 COST		749.1		91.3		174.1		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		749.1		91.3		174.1		0.0
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**EXHIBIT P-6** 

Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

		•	)	•				•		
Weapon System: B-2				Date:	Feb-97		PE 11127F 64240F	64240F		
							-  -  -  -			
	FY 96/P	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	<b>5</b>	Total
A. General Program Data Progreement Otv										
Cum Operating Inventory	တ	13	16	17	21	21	21	21	0	21
OPTEMPO						1			1	
(Flying Hrs or Miles per month) Readiness Objective	39/1.4	2/45.0	3172.0	4410.0	5917.0	6592.0	6720.0	6848.0	150656.0	191031.4
Intermediate Level Stand-Up date					·					
Depot Level Stand-Up Date										
B. Acquisition Logistics Resources										
Initial Spares	888.1	35.0	67.7	27.2	25.6	6.7	4.6	9.0	0.0	1055.5
Mission Readiness Spares Pkg	73.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.3
Field Level Common Spt Equip	;	1	L (	1	ı.	i.	i.	t.	(	
Proc	14.1	0.5	C.5	0.5	c.0	0.5	0.5	C.D	0.0	17.6
rield Level Peculial Spl Equip RDT&E	524.9	14.6	7.1	5.0	4.5	0.0	0.0	0.0	0.0	556.1
Proc	297.8	10.9	6.0	1.0	1.4	1.9	0.2	0.0	0.0	314.1
Depot Level Support Equip/Software										
NOTATE Proc - Figure	311.8	4 5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	324.2
Proc - Software Investment	400.2	1.1	42.2	127.4	0.0	0.0	0.0	0.0	0.0	570.9
PDM Plan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Technical Data/Manuals										
RDT&E	293.4	2.9	4.	1.0	6.0	0.0	0.0	0.0	0.0	299.6
Proc	324.5	0.7	5.2	5.2	0.7	0.0	0.0	0.0	0.0	336.3
Training Services and Training Equip										
RDT&E	886.5	0.0	0.0	5.5	5.0	0.0	0.0	0.0	0.0	897.0
Proc	483.7	9.8	12.0	3.7	0.0	0.0	0.0	0.0	0.0	508.0
				UNCLASSIFIED	SSIFIED			EXHIBIT P-	EXHIBIT P-6 Pg 1 of 2	

**EXHIBIT P-6** 

		Acquisition	Logistics	Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems	ons & Sup	port Fundin	g for Selec	ted Weapon	Systems	
Weapon System: B-2				Date:	Feb-97		PE 11127F	64240F		
	FY 96/P	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC	Total
C. Operations and Support Manpower (Nos. and \$) Military Officer Enlisted Civilian Cost (\$) Fuel Consumables (3400) Reparables (3400) Sustaining Eng Spt (3400) Interim Contractor Support (3010)	6.5 58.1 17.9 55.3 154.6	177 1469 29 4.5 5.9 13.6 89.2 1.1	267 1493 29 7.7 7.7 32.2 38.3 42.1	273 1554 29 10.2 9.7 43.2 61.5 45.6	272 1619 29 13.9 12.8 66.0 59.1 47.6	251 1590 29 14.2 75.3 59.5 10.0	251 1561 29 14.9 78.4 57.8 0.0	251 17.4 17.4 15.5 83.3 62.1 0.0	506.4 238.0 2253.2 62.1 0.0	599.1 376.8 2663.1 544.9 301.0
				UNCLASSIFIED	SSIFIED			EXHIBIT P-6 Pg 2 of 2	5 Pg 2 of 2	

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T   V   C   N   B   R   R   Y   N   L   G   P   T   V   C	
PRODUCTION RATE RC	
MIN         1-8-5         MA         HD         ADMIN         TOTAL           SUST         D+         LEAD TIME         MF AFTER           TBD         PRIOR         AFTER         TIM 1 OCT           1 OCT         1 OCT         I OCT	
Grumman Corp         TBD         TBD         PRIOR AFTER TIM 1 OCT           ion         1 OCT         1 OCT         1 OCT	Actual delivery dates reflect actual deliveries or contractual requirements. Actual engine
Imman Corp         TBD         PRIG           1 00         CA         INIT	ER deliveries were adjusted to reflect DD250 dates. Deliveries are for install engines
CA INIT	CT   and AARL's only. Spares not included.
CA	
	<u> </u>
REORDER	
EXHIBIT P.21 P.21	HOPPING LIST PAGE 2 OF 2

FY98 PB	SIMULATOR	SIMULATOR AND TRAINING DEVICE	l lit	JUSTIFICATION (\$ M)	N (\$ M)			DATE	Feb-97	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01	Line Item: Jombat Aircraft	t, BA01	Weapon System: B-2	em:	Equipment Nomenclature: Aircrew & Maintenance Ti	Equipment Nomenclature: Aircrew & Maintenance Trainers	iners	ЬЕ	11127F & 64240F	40F
Fin Plan	FY96/Prior	FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	Total
Quantity	69									59
Proc	483.7	8.6	12.0	3.7	0.0	0.0	0.0	0.0	0.0	508.0
RDT&E	886.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	886.5
O&S	29.5	9.0	15.5	20.0	20.0	20.0	20.0	20.0	20.0	153.7

### **Training System Description**

academic materials. The maintenance trainer RFT date was May 93. Aircrew training began in Jan 94. The maintenance trainers trainer. The TSC, SSC and TL are support devices for the above listed trainers. Outyear funds are for post block-30 correction of The Training System consists of training equipment hardware, software, and courseware, training missions and classroom consist of the CMTS, WSTA, and the CESMT. The CPT, WST, and the MT are aircrew trainers and the WLT is an armament deficiencies (CODs), flight performance updates, and concurrency changes. Included is non-recurring effort for engineering changes, testing and hardware/software integration.

CMTS= Computerized Maintenance Training System CPT= Cockpit Procedures Trainer WLT= Weapons Loading Trainer RFT= Ready for Training MT= Mission Trainer WST= Weapon Sys

CESMT= Crew Escape System Maintenance Trainer WSTA= Weapon System Training Aid **ISC= Training Support Center** SSC= System Support Center TL= Training Library

Page 1 of 4 Exhibit P-43 PAGE NO. P-1 SHOPPING LIST

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2000										DATE		
FT96 PB	SIMICLA	A I OR AND I	HAINING DEV	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	S NOIL	(n					Feb-97	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01	Line Iter	n:	Weapon System: B-2	em:	IOC Initial RF	IOC Initial RFT: DEC 93	Equipme Aircrew	Equipment Nomenclature: Aircrew & Maint Trainers	ature: ners	E L	11127F	& 64240F
TRAINING DEVICE	SITE	DELIVERY DATE	READY FOR TRAINING	AVG	PRIOF	PRIOR YEARS	L	FY97	<b>"</b>	FY98	<b>L</b>	FY99
BY TYPE			DATE	THROUGHPUT	QTY	COST	QTY	COST	QTY	COST	QTY	COST
MAINTENANCE	WAFB, MO	APR 93	MAY 93	575	54	179.2		2.1		4.5		2.0
AIRCREW	WAFB, MO				Ŋ	304.5		6.5		7.5		1.7
BLOCK 10 BLOCK 20 BLOCK 30	= = =	SEP 93 FEB 96 MAY 97	JAN 94 MAY 96 JUL 97			78.5 139.5 86.5		3.5 3.5		3.5		0.3
TOTAL					59	483.7		ω Θ		12.0		3.7
			P-1 SHOPPING L	. TSII		PAGE NO.						Exhibit P-43 Page 2 of 4

FY98 PB	SIMULA	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	MINING	DEVICE JUS	STIFICAT	(W \$) NOI.	i.			DATE	Feb-97	
Training Device by Type: AIRCREW TRAINERS							Weapon System: B-2	System: B-2				
Description/Justification: Contains 3 Weapon System Trainers (WST) and 2 Mission Trainers (MT) needed to conduct aircrew training of the B-2. Also contains funding for block updates to maintain concurrency with the air vehicle.	n Trainers ock updat	(WST) and the to maintain	2 Mission in concurr	Trainers (Mī ency with the	T) needec e air vehic	to conduct	aircrew tre	aining of the	B-2.			
	Prio	Prior Years	L	FY97	<u> </u>	FY98	Ĺ.	FY99	To Cc	To Complete	Tota	Total Costs
FINANCIAL PLAN	ΔΤΥ	COST	αту	COST	QTY	COST	QTY	COST	QTY	COST	αту	COST
HARDWARE COSTS Device	2	240.1									Ŋ	240.1
Nonrecurring		26.8		6.5		7.5		1.7		0.0		42.5
Gre Other (Fee) Total Hardware Costs		24.6 297.5		0.0 6.5		7.5		1.7		0.0		24.6 313.2
SUPPORT COSTS Special SE ILS		7.0										7.0
Total Support Costs		7.0										7.0
Software/Courseware												
TOTAL COSTS		304.5		6.5		7.5		1.7		0.0		320.2
				P-1 SHOPPING LIST ITEM NO.	3 LIST	PAGE NO.						Exhibit P-43
						0212100						48000

FY98 PB	SIMULA	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	AAINING	DEVICE JU:	STIFICAT	110N (\$ M)				DATE	Feb-97	
Training Device by Type: MAINTENANCE TRAINERS	တ						Weapon System: B-2	System: B-2				
Description/Justification: Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.	ipment for	r maintenanc	e training	equipment s	as well as	future block	updates t	o maintain o	oncurrenc	y with the ai	ir vehicle.	
	Prio	Prior Years	L	FY97	ш	FY98	ĬL.	FY99	Το Cc	To Complete	Tota	Total Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS Device	54	134.5		<u>۲</u>		4.5		2.0		0.0	54	143.1
Nonrecurring GFE Other (Fee) Total Hardware Costs		134.5		2.7		4.5		2.0		0.0		143.1
SUPPORT COSTS Special SE ILS		30.6										30.6
Otner Total Support Costs		30.6							tana ta t			30.6
Software/Courseware		14.1		0.0		0.0		0.0		0.0		14.1
TOTAL COSTS		179.2	-	2.1		4.5		2.0	·	0.0		187.8
				P-1 SHOPPING LIST	3 LIST	PAGE NO.						Exhibit P-43
				ITEM NO.								Page 4 of 4

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	F-22 Advanced Tactical Fighter

	FY 1996	FY 1996 FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	0	0	2	9	12	20	30	898	438
COST (In Millions)	0	0	0	900.5	1.6721	1.6642	3506.9	3946.2	32438.8	44871.2
Initial Spares (in M)	0	0	0	26.0	46.8	78.0	110.7	152.5.	2337.0	2751.0
Total (In Millions)	0	0	0	926.5	1626.5	2577.1	3617.6	4098.7	34775.8	47622.2
Unit Cost (in M)	0	0	0	463.3	271.1	214.8	180.9	136.6	94.5	108.7

### MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and acheive a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

## FY 99 PROGRAM JUSTIFICATION:

Procures the first 2 Low Rate Initial Production (LRIP) aircraft and associated support.

EXHIBIT P-S   Altricity Title No.   Altricity Title No.	AIRCRAFT COST ANALYSIS	A. Appn/Budget	ıdget	B. Popular Name	r Name	C. Manufacturer	turer	D. Date	Feb-97
National State   Page	EXHIBIT P-5 (Dollars in Millions)	Activity Tit Aircraft Pro	le/No.	F-22		Lockheed C	Sorp	Feb-97	
FY96		AF/BA01 C	ombat Acft	   		Marietta, G/	_ _		
FY96			L T		QTY				QTY
DRIES  Omponents)  Cost Cost Cost Cost Cost Cost Cost Cost							0	<b>FY99</b>	2
0.0   0.0   0.0   0.0		Cost	•	Cost	•	Unit	Total		Total
DRIES         Components)         Components) <th< td=""><td>AIRFRAME/CFE</td><td></td><td></td><td></td><td></td><td></td><td>0.0</td><td>2</td><td>440.9</td></th<>	AIRFRAME/CFE						0.0	2	440.9
Components)         0.0 <td< td=""><td>ENGINE/ACCESSORIES</td><td></td><td>}</td><td></td><td></td><td></td><td></td><td>21.4</td><td>42.7</td></td<>	ENGINE/ACCESSORIES		}					21.4	42.7
Components)         Configuration (PMA)         0.0         0.0         0.0         0.0         0.0         0.0         3           FLYAWAY COSTS         0.0 <t< td=""><td>Eng Model:</td><td>~~~</td><td></td><td></td><td></td><td></td><td></td><td>7. 27</td><td>173</td></t<>	Eng Model:	~~~						7. 27	173
Components)         COSTS         0.0         0.0         0.0         0.0         0.0         3           FLYAWAY COSTS         0.0         0.0         0.0         0.0         0.0         0.0         0.0           IE         NG EQUIPMENT         ECH. DATA         RT ITEMS)         0.0         0.0         0.0         0.0         0.0           ent Administration (PMA)         0.0         0.0         0.0         0.0         0.0         0.0         0.0           Adv. Proc         0.0	ARMAMENT							3	2.2
COSTS   COST	OTHER GFE								
COSTS   COST	ECO (All Flyaway Components)							Ġ	
FLYAWAY COSTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	NON-RECURRING COSTS					·		92.2	184.4
NG EQUIPMENT SCH. DATA RT ITEMS) O.0 ent Administration (PMA) ent Admin	Subtotal FLYAWAY COSTS	0.0	0.0		0.0	0.0	0.0	392.2	784.3
NG EQUIPMENT  ECH. DATA RT ITEMS)  ent Administration (PMA)  tupport COST  Adv. Proc  0.0  0.0  0.0  0.0  0.0									
NG EQUIPMENT         ECH. DATA         RT ITEMS)       0.0         ent Administration (PMA)       0.0         iUPPORT COST       0.0         Adv. Proc       0.0         0       0.0         0       0.0	AIR VEHICLE PGSE								91.4
NG EQUIPMENT       0.0       0.0         RT ITEMS)       0.0       0.0         ent Administration (PMA)       0.0       0.0         iUPPORT COST       0.0       0.0         Adv. Proc       0.0       0.0         . Adv. Proc       0       0	ENGINE PGSE								15.1
ECH. DATA  RT ITEMS)  ent Administration (PMA)  ent Administration (PM	AVIONICS PGSE								
ent Administration (PMA)  ent Administration (PMA)  tupPoRT COST  0.0  0.0  0.0  0.0  0.0  0.0									
ent Administration (PMA)  UPPORT COST  0.0  0.0  0.0  Adv. Proc  0  0  0  0  0	FOBLICATIONS/TECH: DATA								
ent Administration (PMA)  • UPPORT COST  0.0  0.0  Adv. Proc  0  0  0  0	OTHER		0.0		0.0		0.0		9.7
O.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Program Management Administration (PMA)								0.0
Adv. Proc 0.0 0.0 0.0 0.0	Subtotal SUPPORT COST		0.0		0.0		0.0		116.2
Adv. Proc 0.0 0.0 0.0	GROSS P-1 COST		0.0		0.0		0.0		900.5
0	201 PSS: Drior Vr Adv. Broc		c		c	,			162 1
0			2		2		S		1.70
	21 NET P-1 COST		J		0		0.0		738.4
The second secon									

B. Appropriation/Budget Activity Aircraft Procurement/BA01, Combat Aircraft Cost Elements Contractor Fiscal Year and Location AIRFRAME FY99 Lockheed, Marietta PROPULSION FY99 Pratt & Whitney	get Activity A01, Combat Aircraft Contractor and Location	-								
Cost Elements Confrictal Year and AIRFRAME FY99 Lock FY99 LOCK FY99 PROPULSION FY99 Pratt	tractor Location	ن	C. P-1 Item Nomenclature F-22	are						
VILSION		Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
NOISION	Lockheed, Marietta	FPI	ASCIYF	96-unf	Nov-01	2	220.5	N/A	N/A	
						***				W 1 W 1
	Pratt & Whitney	FPI	ASC/LP	Feb-98	Feb-01	4	10.7	NA	NA	
D. REMARKS:										
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FY 98 BUDGET ESTIMATE SUBMISSION								_	E-22,	₹DVA	NCEL	TAC	TICA	F-22 ADVANCED TACTICAL FIGHTER	FER	~																			
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MANUFACTURER'S NAME AND LOCATION		MINIMUM	<u> </u>	XX	皇去				ADMON IFAD TRAFF	ADMIN O			Ž		TOTAL		· Initi	al Mf	g PL1	<ul> <li>Initial Mig PLT reflects Advanced Procurement. It is the number of months from Lot 1 Long Lead Award (Jun 88) until delivery of first production aircraft (Nov 01).</li> </ul>	ts Ad	Vanc ary of	ed Pr	ocure	rtion	t. It is	the T	dun y	rofr	onthe	s from	Ę	Long	Lead	
Lockheed, Marietta, GA		CEL.	E	Ê	_			1 **	PRIOR	il .	AFTER		Ě		1001							•						•							
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P-1 SHOPPING LIST ITEM NO.

3 PAGE EXHIBIT P-21

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	w2	ACCEP	BAL	<u> </u>					Ĕ	FISCAL YR 99	K 98					░			SC	FISCAL YR 00	8									FISCAL YR 01	٥			٦
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P-1 SHOPPING LIST ITEM NO.

PAGE 2 OF 3 PAGE
EXHIBIT P.21

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT	F-22 ADVANCED TACTICAL FIGHTER

	FY 1996	FY 1996 FY 1997	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY										
COST (IN millions)		81.3	6.08	169.8	278.3	373.4	304.3	1017.6	2157.9	4463.4

### MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and acheive a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

## FY98 PROGRAM JUSTIFICATION:

FY 98 Advance buy supports 2 aircraft buy in FY 99 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

## FY99 PROGRAM JUSTIFICATION:

FY 99 Advance buy supports 6 aircraft buy in FY 00 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

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**EXHIBIT P-40** 

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WEAPON SYSTEM ADVANCE PROCUREMENT	MENT EXHIBIT P-10	T P-10	<b>Budget Year For Fisc</b>	Budget Year For Fiscal Year Program: FY97 for FY98	7 for FY98	
(PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)	IND MATERI	AL)	DATE Feb-97			
(TOA, Dollars In Millions)						
Weapon System Type (Model/Series No.)	First Syster	First System Award Date	First System Completi	First System Completion Date   Interval Between System Compilations	en System (	Compilations
F-22 Advanced Tactical Fighter		Jun-99	Nov-01	(Months)	1-2	
Advance Procurement/Advance Funding	Quantity	Quantity Date Contract Awd	Delivery Date of First	Delivery Date of First Production Lead Time	Unit Cost	Total Cost
		Planned/Required	Equip Req'd/Actual	In Months Total Req'd		
Items				(Adm/Prod) Actual	(\$M)	(\$M)
DMS & Design for Airframe *	0	Jun-97	Nov-01	53 mts	N/A	78.8
DMS & Design for Engine *	•	Jun-97	Nov-01	53 mts	N/A	2.5
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### NARRATIVE DESCRIPTION

\* DMS is abbreviation for Diminishing Manufacturing Sources (out of production parts).

Date Contract Award Planned/Required reflects contract award for Advance Procurement of Lot 1 DMS and Redesign effort. Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding. First System Award Date reflects contract award date for Lot 1.

These funds are currently budgeted to be debited from the Weapon System line in FY99. However, this budget will be realigned FY97 Program Requirements reflect funding to purchase DMS for lots 1-5 and associated DMS redesign activities. to match actual expenditures in a future budget exercise.

Exhibit P-10

WEAPON SYSTEM ADVANCE PROCUREMENT	ENT EXHIBIT P-10 ND MATERIAL)	T P-10 AL)	Budget Year For Fisc DATE Feb-97	Budget Year For Fiscal Year Program: FY98 for FY99 DATE Feb-97	8 for FY99	:
(TOA, Dollars In Millions)	Einet Cycton	System Award Data	First System Completi	Eiret Sustam Completion Date Heterary Botteran Sustain Compilations	and the contract of the	Compilations
		Jun-99	Nov-01	OII Date   Miles Val Between   (Months)	7-1 1-2	on pliations
Advance Procurement/Advance Funding	Quantity	antity Date Contract Awd	Delivery Date of First	Delivery Date of First Production Lead Time	Unit Cost	Total Cost
		Planned/Required	Equip Req'd/Actual	In Months Total Req'd (Adm/Prod) Actual	(\$M)	(\$M)
DMS & Design for Airframe *	0	86-unr	Nov-01	41 mts	N/A	4.4
DMS & Design for Engine *	0	Jun-98	Nov-01	41 mts	N/A	2.1
CFE for Airframe	7	Jun-98	Nov-01	41 mts	37.0	74.0
CFE for Engine	7	Jun-98	Nov-01	41 mts	0.2	0.4
Total	-					80.9
1 4 5 10 10 10 10 10 10 10 10 10 10 10 10 10						

NARRATIVE DESCRIPTION \* DIMINISHING Manufacturing Sources (out of production parts).

First System Award Date reflects contract award date for Lot 1.

Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding.

FY98 Budget reflects advanced procurement requirements for two Lot 1 aircraft in FY99. Additionally, DMS for Lots 1-5 (includes part purchase abd redesign activities) as estimated by the Joint Estimate Team (JET) are included here and will be realigned to match actual expenditures in a future budget exercise.

Exhibit P-10

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	F-15E TACTICAL FIGHTER

	Prior	Prior FY 1996 FY	1.	FY 1998	1997 FY 1998 FY1999	FY2000	FY 2001	FY 2001   FY 2002	FY 2003	Total
QUANTITY	1083	9	9	3	3	0	0	0	0	1101
COST (IN millions)	23919.5	302.8	275.2	159.0	165.0	0	0	0	0	24821.5
Initial Spares (in M)	1964.7									1964.7
Total (in Millions)	25884.2	302.8	275.2	159.0	165.0					26786.2
Unit Cost (in M)	23.9									24.3

### MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

# FY98/99 PROGRAM JUSTIFICATION:

Aircraft procurement is required to replace fleetwide attrition of F-15E aircraft.

AIRCRAFT COST ANALYSIS	A. Appn/Budget	daet	B. Popular Name	ame	C Manufacturer	ror	D Date	
EXHIBIT P-5	Activity Titl	Title/No.	F-15E Eagle			5		
(Dollars in Millions)	Aircraft Proc AF/BA01 Con	Proc 1 Combat Acft	•		McDonnell Douglas	uglas	Feb-97	
		QTY		QTY		QTY		ΩTY
	FY96	9	FY97	9	FY98	3	FY99	က
· · · · · · · · · · · · · · · · · · ·	Cnit	Total	Cuit	Total	Cuit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
AIRFRAME/CFE	31.8	190.5	32.4	194.3	37.6	112.8	46.6	139.8
ENGINE/ACCESSORIES	8.8	53.0	8.6	51.8	9.5	27.6	9.2	27.6
AVIONICS: CFE/GFE	1.7	10.2	1.6	9.8	1.7	5.0	1.7	5.1
ARMAMEN I OTHER GFE	1.2	7.1	7:	9.6	7:	3.4	1.2	3.5
ЕСО	2.8	17.0	7.1	42.3	3.4	10.2		
NON-RECURRING COSTS OTHER COSTS	2.1	12.3						
PROGRAM MGT ADMIN REQMTS	?	6. ·						
Subtotal FLYAWAY COSTS	49.7	298.0	50.8	304.8	53.0	159.0	28.7	176.0
AIRFRAME PGSE		3.0						
ENGINE PGSE AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA		1.8		0			-	
				9.0				
Subtotal SUPPORT COST		4.8		18.9	,	0.0	1	0.0
GROSS P-1 COST		302.8		323.7		159.0	44.0	176.0
20 LESS: Prior Yr Adv. Proc		0.0		-48.5		0		-11.0
21 NET P-1 COST		302.8		275.2		159.0		165.0
"Avionics: CFE/GFE" category includes two major items L to fiscal constraints.	or items LANT	IRN and TEV	VS. Total cost	for FY96 incl	ANTIRN and TEWS. Total cost for FY96 includes only 3 sets of LANTIRN pods due	s of LANTIR	enp spod N	

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**EXHIBIT P-5** 

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McDonnell Douglas McDonnell Douglas	las las	4 4 4 4 4	ASC/VFK ASC/VFK	DEC 96 FEB 97	JAN 99 APR 99	9 9	49.7	YES	YES	ONGOING
McDonnell Douglas McDonnell Douglas	las las	7 7 7 7	ASC/VFK ASC/VFK	NOV 97 NOV 98	JUL 99 MAY 00	ကက	53.0	YES	YES	ONGOING
Pratt & Whitney Pratt & Whitney		C/OPTION C/OPTION	ASC/VFK ASC/VFK	NOV 96 FEB 97	JUL 98 AUG 98	55	8.8 6.0	YES YES	YES	ONGOING
Pratt & Whitney Pratt & Whitney		C/OPTION C/OPTION	ASC/VFK ASC/VFK	NOV 97 NOV 98	MAR 99 JAN 00	ဖ ဖ	9.2 9.2	YES	YES	ONGOING
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FY95 BUDGET PRODUCTION SCHEDULE	DOLE	<u>-</u>	p.1	ITEM NOMENCLATURE	NON NON	ENCI	-ATU	7. F	15E /		\ \AME														-	DATE	4	Feb 97	2									
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT	F-15E TACTICAL FIGHTER

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)	1759.7	48.5		11.0						1819.2

### MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

# FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

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WEAPON SYSTEM ADVANCE PROCUREMENT	<b>ENT EXHIBIT P-10</b>	T P-10		Budget Year For Fiscal Year Program:		FY96 for FY97	
(PROCUREMENT OF ADVANCE DESIGN AND (TOA, Dollars in Millions)	ND MATERIAL	AL)		DATE Feb-97			
Weapon System Type (Model/Series No.) F-15E	First Syster Dec-96	First System Award Date Dec-96	a a	First System Completion Date Apr-99	ion Date Interval Between System Compilations (Months)	en System (	Sompilations
Advance Procurement/Advance Funding	Quantity	Date Contract Awd	ict Awd	<b>Delivery Date of First</b>	Productio	Unit Cost	Total Cost
		Required/Actual	ctual	Equip Req'd/Actual	In Months Total Req'd		
Items					Total Req'd Actual	(\$M)	(\$M)
1. CFE:							
CFT Doors	9	May-96	Sep-96	May-98	27		6.6
ICS (Group A)	9	May-96	Sep-96		32		0.5
Radar (Hughes APG-70)	9	May-96	Sep-96		30		14.5
AFCS	9	May-96	Sep-96	May-98	31		4.
PACS	9	May-96	Sep-96	May-98	32		1.0
ALR-56C-RWR	9	May-96	Sep-96		33		1.8
CSBPC	9	May-96	Sep-96		31		1.2
Fuel Pump	9	May-96	Sep-96		32		0.1
Landing Gear	9	May-96	Sep-96	May-98	29		1.3
Miscellaneous Equipment		Sep-96	Sep-96	May-98	33		13.5
2. CFE SUBTOTAL					÷		45.4
3. GFE							
Programmer Electronic	ဖ	May-96	96-Inf	Jul-98	28		0.1
RT Processor	9	May-96	96-Inc	Jul-98	26		0.4
Rec/Trans TACAN	9	May-96	Sep-96	Jul-98	20		0.1
Rec/Trans APX 101	9	May-96	Feb-97	36-JnC	23		0.2
МРОР	9	May-96	96-Inc	Jul-98	25		1.0
VHSIC	9	May-96	Nov-96	30-JnF	20		0.7
MISCELLANEOUS		Aug-96	Nov-96	*	4		9.0
4. GFE SUBTOTAL							3.4
5. TOTAL			-				48.5
NARRATIVE DESCRIPTION							

NARRATIVE DESCRIPTION

\* All miscellaneous purchasing was based upon the longest production lead time. Quantities and delivery dates vary for each individual component.

The total cost is based upon the sum of all of the respective components.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10	ENT EXHIB	IT P-10	Budget Year For Fiscal Year Program:		FY98 for FY99	
(PROCUREMENT OF ADVANCE DESIGN AND MATERIAL (TOA, Dollars in Millions)	ND MATERI	AL)	DATE Feb-97			
Weapon System Type (Model/Series No.) F-15E	First Syster Nov-97	First System Award Date Nov-97	First System Completion Date	on Date Interval Between System Compilations	en System C	compilations
Advance Procurement/Advance Funding	Quantity	Date Contract Awd	Delivery Date of First	Production Lead Time	Unit Cost	Total Cost
llems		Required/Actual	Equip Req'd/Actual	In Months Total Regid	•	
1 CFE				(Autilian) Actual	(Mid)	(MA)
Fit Control Computer		Nov-97	96-1-1	34	Š	,
ALR-56C	· "		66-111	32	† «	, <u>,</u>
Digital Map System	· m		66-JnC	33	) () ()	- c
Landing Gear	<u>ო</u>	_	3nl-99	29	0.3	1.0
Raw Materials	<u>ო</u>	Nov-97	*	*	1.2	3.6
2. CFE SUBTOTAL						8.3
3. GFE Programmer Electronic		Nov-97	00	ä	Č	ć
RT Processor			Sep-99	26	0 0	2.0 0.0
Rec/Trans TACAN	<u>ල</u>		Sep-99	20	0.0	0.1
JUNEAN CONTRACTOR OF THE PROPERTY OF THE PROPE			Sep-99	25	0.3	0.0
MISCELLANEOUS	<b>-</b>	/6-20N	86-das	70	0.3	o, c
4. GFE SUBTOTAL						2.7
5. TOTAL						11.0
					-	
NARRATIVE DESCRIPTION						

ARKATIVE DESCRIPTION
All miscellaneous purchasing was based upon the longest production lead time. Quantities and delivery dates vary for each individual component.
The total cost is based upon the sum of all of the respective components.

Exhibit P-10

Date: Feh 97	P-1 ITEM NOMENCLATURE	F-16 TACTICAL FIGHTER
BUDGET ITEM JUSTIFICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT

	Prior	FY 1996   FY		FY 1998	FY 1999	FV 2000	FV 2001	EV 2002	1997   FY 1998   FY 1999   FY 2000   FY 2001   FY 2002   FY 2002	
QUANTITY	2201	9					1007 17	7007	F. I. 2003	7
COST (IN millions)	22750 1	1671	1640							2713
CODI (III IIIIIIIII)	72230.4	1./CI	134.8							325703
Initial Spares (in M)	2830 7	7.0								34310.3
Total ( ) ( )	1,000,0	1	,							2838.6
1 Otal (In Millions)	35089.1	165.1	154.8							35408 0
Unit Cost (in M)	15.9	27.5	25.8							20010
			0:00							16.0

### MISSION AND DESCRIPTION:

speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-F-4s in the active inventory as well as modernize the reserve forces.

# FY98/99 PROGRAM JUSTIFICATION:

A/Z

AIRCRAFT COST ANALYSIS	A. Appn/Budget	daet	R Popular Name	amo	Monte of			
EXHIBIT P-5	Activity Tit	Title/No.		Falcon	c. Mailulactulei	<u> </u>	D. Date	
(Dollars in Millions)	<b>.</b>	ပ	)		Lockheed Ft Worth Co.	Vorth Co.	Feb-97	
	AF/BA01 C	Combat Acft			Ft Worth, TX			
-	EVOR	ΩTY °	2001	ατγ		QTY		QTY
	•		)& L	9	FY98	0	FY99	0
	Const	'	Gnit	Total	Cuit	Total	C dif	Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
AIRTRAINE/OFE FNOINE/AOTOODITO	11.2		12.7	76.1	0.0		0.0	
ENGINE/ACCESSORIES	4.1	24.6	4.2	25.2	0.0		0.0	
	2.8		2.9	17.4	0.0		0.0	
ARWAMEN I	0.8	5.0	1.4	8.4			•	
IL DESCRIPTION OF THE PROPERTY	2.3	13.7	1.6	9.4	0.0	•	0.0	
CC		•	,					
STACO ENIGRICATION	0.5	3.1	0.4	2.5	0.0		0.0	
OTHER COSTS	0.0	8.4	9.0	3.6	0.0		0.0	
PROGRAM MGT ADMIN PEOMTS	1.7	10.0	1.2	7.4				
Subtotal FLYAWAY COSTS	24.2	145.4	C	0 0 1				
	1	t. 2	0.02	0.00	0.0	0.0	0.0	0.0
AIRFRAME PGSE								
ENGINE PGSE								
PECI I AD TDAINING COLIDARDIT				,				
PUBLICATIONS/FOLD DATA		1.5		1.2				
OTHER (ICS)		7.2		3.6	-			
OTHER (SUPPORT CONTRACTS)		~						
OTHER (POST PRODUCTION SUPPORT)		9					-	
Subtotal SUPPORT COST		11.7	· · · ·	4.8	<u> </u>	0.0		0 0
GROSS P-1 COST		157.1		154 B	C		(	9 6
				2	2	0.0		0.0
20 LESS: PROFIT AGV. Proc						0		0
21 NET P-1 COST		157.1	·	154.8		c		
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**EXHIBIT P-5** 

BUDGET PROCUREMENT FY97 Defense Budget Submission	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) fense Budget Submission	IND PLANNING EXHII	BIT (P-5A)	A. DATE	Feb-97					
B. Appropriation/Budget Activity Aircraft Procurement/BA01, Comba	B. Appropriation/Budget Activity Aircraft Procurement/BA01, Combat Aircraft	<u>ပ</u>	C. P-1 Item Nomenclature F-16	ature						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIRFRAME										
FY96 FY97	Lockheed, Ft Worth, TX Lockheed, Ft Worth, TX	<del>11</del>	ASC/YP ASC/YP	May-96 Jun-97	Jan-99 Jan-00	တ တ	11.2 12.7	11.2 Yes 12.7 Yes	<u> </u>	
PROPULSION										
FY96 FY97	39	SS FP SS FP	ASC/LP ASC/LP	Jun-96 Jun-97	76-InC Jul-98	ဖဖ	4.1	4.1 Yes 4.2 Yes	% % %	
D. REMARKS:										
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FY98/99 PRESIDENTS BUDGET	SIDEN	ITS BUL	GET				<u> </u>	E	EN	N	ME		A	P-1 ITEM NOMENCLATURE	[												DA	Щ	DATE Feb 97	16								
							五	6 A	F-16 AIRFRAME	RA	ME																											
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P-1 SHOPPING LIST

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, AIRLIFT AIRCRAFT	C-17

	FY96/	FY96/ FY 1997	FY1998	FY1999	FY 2000	FY 2001 FY 2002	FY 2002	FY 2003	To Comp	Total
	Prior			-					•	
QUANTITY	40	∞	6	13	15	15	15	5	0	120
COST (In Millions)	12291.6	1900.7	1923.3	2657.1	2931.6	2917.4	2952.0	1203.0	186.8	28963.5
Initial Spares (in M)	602.8	4.4	88.8	121.6	197.5	238.2	217.9	216.6	345.5	2033.3
Total (In Millions)	12894.4	1905.1	2012.0	2778.7	3129.1	3155.6	3169.6	1419.6	532.3	30996.8
Unit Cost (in M)	307.3	237.6	213.7	204.4	195.4	194.5	196.8	240.6	0	241.4

### MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility replace lost capability of retiring C-141 aircraft.

# FY 98 PROGRAM JUSTIFICATION:

Funding will provide for procurement of nine aircraft. Reflects the multi-year procurement acquisition strategy.

# FY 99 PROGRAM JUSTIFICATION:

Funding will provide for procurement of thirteen aircraft. Reflects the multi-year procurement acquisition strategy.

### UNCLASSIFIED

EXHIBIT (P-5)	Activity Title/No.	8udgef 'No. 7∆	e. wedpor Name	B. Wedpon Model/series/ Popular Name	les/ ropuia	Plant City/State location McDoppell Douglas	urer incirite ate location	U. Daie	7, JAN 7,
FY98 PRESIDENT'S BUDGET	1001/0100	ζ.		X .		Long Beach, CA	CA		
Weapon System Cost Elements	Ident. Code	FY96 Unit Cost	8 Tot. Cost	FY97 Unit Cost	8 Tot. Cost	FY98 Unit Cost	9 Tot. Cost	FY99 Unit Cost	13 Tot. Cost
1 AIRFRAME 2 ENGINE (MODEL F-100-PW-100) 3 AVIONICS	∢	227.9 20.5 8.2	182	19	1594.4 156.3 63.7	19	17	72 6	22
4 ECO 5 PRODUCT IMPROVEMENT 6 NON-RECURRING FLYAWAY 7 SETILEMENT	4 4	0.0 6.4 7.0 0.0	3.6. 34.6 11.1 0.0	0	0.0 20.7 15.2 0.0	2.2 0.3 0.0	2.8 2.8 3.6 0.0	2.0	25.8 60.3 9.8 0.0
8 FLYAWAY COSTS		262.7	2101.3	231.3	1850.3	223.0	2007.4	207.8	3 2701.6
9 PECULIAR SUPPORT EQUIPMENT 10 COMMON SUPPORT EQUIP 11 TRAINING 12 DATA 13 FIELD SUPPORT/ICS 14 DEPOT INVESTMENT TOTAL 15 MISSION SUPPORT 16 SUPPORT COST	4 4 4 4 4		7.1 4.8 47.6 11.6 200.7 0.0 22.2 294.2		36.9 1.8 85.3 6.6 49.3 106.0 16.5		6.9 2.5 2.5 4.6 5.7 123.2 0.0 18.7 161.6	0.10.10.5	15.8 0.9 50.0 6.1 134.0 57.8 18.1
17 GROSS P-1 COST		262.7	2395.4	231.3	2152.7	223.0	0 2169.0	207.8	3 2984.4
18 LESS: Prior Year Adv Proc EOQ Payback	∢		-188.6		-221.8 -30.0		-211.8		-278.2 -49.0
19 NET P-1 COST		262.7	2206.8	231.3	1900.9	223.0	1923.3	3 207.8	3 2657.3
20 ADVANCE PROCUREMENT, CURRENT YEAR EOQ	∢		221.8 57.0		211.8		278.2	<u></u>	303.5
21 OTHER NON P-1 WEAPON SYS COSTS INITIAL SPARES MODS	∢ ∢		80.0		5.0		89.2 59.1	<u> </u>	122.1
22 TOTAL (THEN YEAR)		262.7	2586.4	231.3	2159.6	223.0	2349.8	3 207.8	3125.8

BUDGET PR	OCUREMENT HISTORY ,	Budget procurement History and Planning exhibit	(P-5A)	A. DATE	5-Feb-96					
B. Appropriation/Budget Activity AIRCRAFT PROCUREMENT/BAO2/	B. Appropriation/Budget Activity AIRCRAFT PROCUREMENT/BAO2/AIRLIFT	C. P-1	Item Nomenclature C-17A	ature						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity Unit	_	Specs Specs Avaliable Now REQ'D	REV	If Yes, when Avallable
AIR VEHICLE										
FY96 FY97	McDonnell Douglas McDonnell Douglas	£ £	AFMC/ASC AFMC/ASC	Feb-96 Dec-96		∞ ∞	236.6			
	McDonnell Douglas		AFMC/ASC	Dec-97	May-99		202,5			
	McDonnell Douglas	윤	AFMC/ASC	Dec-98	00-unr	13	182.4			
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FY96	Pratt & Whitney		AFMC/ASC	Feb-96			20.5			
	Praff & Whitney Praff & Whitney	£ £	AFMC/ASC AFMC/ASC	Jan-97 Feb-98	Nov-98	× 0	19.9			
	Pratt & Whitney		AFMC/ASC	Feb-99			20.0			
-										

#### REMARKS:

- -- Engine Unit Cost are per shipset of 4 engines --Air Vehicle unit cost is total of Air Vehicle, Avionics (CFE and GFE), Other GFE, and ECO unit costs

EXHIBIT P-5A Procurement History and Planning

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Appropria	Appropriation/P-1 Line Item		Weapon System(If Applicable Equipment Nomenclature	Applicable	Equipmer	nt Nomenc	lature		-	PE	
PROD 3010		C-17 TRAIN	AINERS (ATS & MTD)	& MTD)						41130E	پر
Fin Plan	FY94/P FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	2	Total	<u>_</u>
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TRAINING	TRAINING SYSTEM DESCRIPTION	NO.	ATS								
Provides inifia	Provides initial and continuous training for C-17 aircrew members. Training will be totally contractor administered	ning for C-17 a	ircrew memb∈	ərs. Training w	/ill be totally c	ontractor adr	ministered				
and supporte	and supported, with AMC evaluating the final product, a fully qualified member. The training system will be developed concurrently with the discraft development and production. The Alexandrian Concurrently with the discraft development and production to a second concurrent.	ing the final pr	oduct, a fully o	qualified men	ber. The trail	ning system w	ill be develor	pec			
Weapon Syste	Weapon System Trainers (WSTs), Computer Based Trainers (CBTs). Loadmaster Stations (1Ss), Caran Computer and Trainers (CSTs)	imputer Basec	Trainers (CBI)	ie Aliciew ird i). Loadmaste	r Stations (1 Se	(A15) consists (	of: Joodhmont Tro	(TOO) wording			
and Cockpit ( are being dell	and Cockpit Systems Simulators (CCSs). The blend or mix of the components depend on the base or schoolhouse they are being delivered to. The bases are: Charleston AFB, Altus AFB, McChord AFB.	CSs). The bler are: Charlesto	id or mix of the n AFB, Altus Af	e components:	s depend on AFB.	the base or sc	thoolhouse the				
MTD											
The system is c	The system is designed to reduce the maintenance	he maintenan	ce training lev	Iraining level to the lower skill levels.	r skill levels.						
The system wil	the system will employ accessibility, repairability, and interchangeability features. Integration will be with the	r. repairability,	and interchar	ngeability fear	tures, Integral	ion will be wif	h the				
aircraft devek	aircraft development and production.	ion.									
		P-1 Shop Item No.	P-1 Shopping List Item No.	Page No.	Page No. EXHIBIT P-43 Simulator &	EXHIBIT P-43 Simulator & Training Device Justification	Device Jus	tification			T
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SIMULATO	OR AND TRAININ	G DEVICE	CATION (	Page 2) (\$000)			DATE	27-Jan-97						
Appropriation/ P-1 Line Item	/c	Weapon System	System	IOC Date Alrcraff	Equipment Nomenclature	<u>a</u>	Ī	PE						
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wsţ	Alfus AFB				2	58208		15700		19800	$\dagger$			74700
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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)	DEVICE JU	STIFICATION	V (Page 3	(2000)			DATE			25-Jan-97	-97		
edyl yd beylde by lybe	C-17 TRAINERS	NERS				Weapon S	Weapon System (If Applicable)	Icable)					
Description/Justification							SIX	AIS & IVIID					
ATS: Provides initial and confinuous training to C-17 aircrews. MID: Procures the devices necessary to reduce the maintenance manning level and training to be leaved.	necessary	alning to C	-17 aircrev the maint	ws. Jenginge m		+ bab level	raining to the		<u> </u>				
Financial Plan	Prior	Prior Years	FY	FY96		FY97	FY98	ISWEST IE	FY80	) too	Cost to Complete	L	Total Cost
	Ωtγ	Cost	؆	Cost	ğ	Cost	₹	à		+	100	19	1000
HARDWARE COSTS Device (Hardware)	4		2	34910	-	19800	0	0	8	8		i	20101
Concurrency Updates Nonrecurring	W. C. C.	77691		12690		65500		4600		1500	2820		190181
GFE Other(Specify)													
Total Hardware Costs		195500		47600		85300		4600	) S	20000	28200	ΙQ	411200
SUPPORT COSTS								·	·				
Special SE Integrated Logistics Supt. Other(Specify)		0			-		·	<del></del>	·				
Total Support Costs		0		0		0		0		0		10	
								· · · · · · · · · · · · · · · · · · ·					· · · · · ·
TOTAL COSTS								-		·,· · · · · · · · · · · · · · · · · · ·			<b>5</b>
		195500		47600		85300		4600	50000	18	28200	10	411200
				P-1 Shopping List Item No.	ng List It			ď			EXHIBIT P-43	-43	
						DOACT	000000	2					
					•	122							

TEM JUSTIFICATION SHEET	P-1 ITEM NOM	Y) /BA02, AIRLIFT AIRCRAFT
BUDGET ITEM JI	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT (ADV BUY) /BA02, AIRLIFT AIRCRAFT

FY 2002         FY 2003         T           5         0           104.7         0											
rY         40         8         9         13         15         15         15         5         0           Imillions)         1219.7         221.8         211.8         278.2         303.5         304.9         307.8         104.7         0         295		Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000			FV 2003	Total
Inilions) 1219.7 221.8 211.8 278.2 303.5 304.9 307.8 104.7 0 204	OITA MITTING	•									Total
millions) 1219.7 221.8 211.8 278.2 303.5 304.9 307.8 104.7 0 795	COMMITTY .	40	×	9	13	15	15	15	5	U	120
millions) 1219.7 221.8 211.8 278.2 303.5 304.9 307.8 104.7 0	111. I'M TOOD	20,0,	0,00							>	150
	COST (IN millions)	1.617.1	221.8	211.8	278.2	303.5	304.9	307.8	104.7	C	2952 4

### MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility replace lost capability of retiring C-141 aircraft.

# FY 98 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY99. Reflects the multi-year procurement acquisition strategy.

# FY 99 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY 00. Reflects the multi-year procurement acquisition strategy.

Type (Model/Series No.) First Systemement/Advance Funding Quantity (1) (2)	m Award Date Jan-96 Date Contract Award Required/Actual	First System Completion Date			
Advance Procurement/Advance Funding Quantity Do Items (1) (2) 1. AIRCRAFT CFE	Date Contract Award Required/Actual	ok-bink		Completions	
€		Delivery Date of First Equip. Required/Actua	Delivery Date of First Production Lead Time Equip. Required/Actualin Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Actual Requested Contract Co (\$ in Millions)	Actual Contract Cost (\$ in Millions)
	(3)	(4)	(9)	(9)	6
	May-96	94-unr			209.2
2. AIRCRAFT GFE					12.6
3. SUBTOTAL 0					221.8
4. EOQ(MYP) 0				0	57.0
5. TOTAL 8				0.0	278.8

-- FY96 advanced buy was awarded for the FY97 - Lot IX procurement of 8 aircraft.
-- P41 is the first aircraft of this lot buy; the scheduled delivery is Jun 98.
-- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.
-- FY96 portion of EOQ to support the 7-year Multipear Procurement strategy. The total EOQ was \$300M (FY94--\$144.5M, FY95--\$98.5M).

Exhibit P-10A2 Advance Procurement Execution/Request Comparison

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS)	MENT EXHIBI	T P-10A		Current Year for Flscal Year Program FY97 DATE 6-Feb-97	am FY97	
Weapon System Type (Model/Series No First System Award Date C-17A	First Syster		First System Completion Date Aug-99	n Date Interval Between System Completions	n Completions	
Advance Procurement/Advance Fundil Quantity   Date Contract Award Delivery Date of First   Required/Actual   Equip. Required/Actual   Equip. Required/Actual	Quantity	Date Contract Award Required/Actual	Dellvery Date of First Equip. Required/Actuc	Production Lead Time in Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested	Actual Contract Cost
€	(2)	(3)	(4)	(5)	9	6
1. AIRCRAFT CFE	6	Dec-96	May-99		198.8	198.8
2. AIRCRAFT GFE					13.0	13.0
3. SUBTOTAL					211.8	211.8
4. EOQ(MVP)	0				0.0	0.0
5. TOTAL	6				211.8	211.8

Exhibit P-10A Advance Procurement Execution/Request Comparison

<sup>-</sup> FY97 advanced buy was awarded for the FY98 - Lot X procurement of 9 alrcraft.
- P49 is the first alrcraft of this lot buy; the scheduled delivery is May 99.
- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.

Weapon System Advance Procurement EXHIBIT P-10	HIBIT P-10			Budget Year for Fiscal Year ProgramFY98	gramFY98		
(Procurement of Advance Design and Material) (TOA, Dollars in Thousands)	eriai)			DATE 6-Feb-97			1
Weapon System Type (Model/Series No.) C-17A	First System Award Date Jan-98	rd Date	First System Completion Date Aug-00	Date Interval Between System Completions (Months)	em Completions	(Months)	Т
Advance Procurement/Advance Funding Items	Quantity Date Contract Award Planned/Required	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time In Months(Adm/Prod)-Total	Unit Cost	Total Cost	
(1)	(2)	(3)	(4)	(9)	(9)	(2)	
1. AIRCRAFT CFE	13 Dec-97	-67	00-unr			263.1	
2. AIRCRAFT GFE						15.1	
3. SUBTOTAL	0					278.2	
4. EOQ(MYP)	0					0	
					<b>2000.000</b>		
5. TOTAL	13					278.2	
FY98 advanced buy is planned for awarded for the FY99 - Lot XI procurement of 13 aircraft, P58 is the first aircraft of this lot buy; the scheduled delivery is Jun 00. Award and delivery dates are not given for Aircraft GFE as these requirements are awarded	s planned for awc of this lot buy; the lates are not give	arded for the FY99 scheduled delive n for Alrcraft GFE	- Lot XI procurement of ry Is Jun 00. as these requirements a	FY98 advanced buy is planned for awarded for the FY99 - Lot XI procurement of 13 aircraft, P58 is the first aircraft of this lot buy; the scheduled delivery is Jun 00. Award and delivery dates are not given for Alrcraft GFE as these requirements are awarded on multiple contracts through the ALCs.	s through the ALC	ú	

Exhibit P-10 Weapon System Advance Procurement Analysis/Justification

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material)	(HIBIT P-10 terial)			Budget Year DATE	Budget Year 2 for Flscal Year Program FY99 DATE 6-Feb-97	ogram FY99		
Weapon System Type (Model/Series No.) C-17A	First Syster Jan-99	First System Award Date Jan-99	First System Completion Date Aug-01		Interval Between System Completions (Months)	em Completions	(Months)	<del></del>
Advance Procurement/Advance Funding Items		Quantity Date Contract Award Delivery Date of First Planned/Required Equipment Required	Delivery Date of First Equipment Required	Production Lead Time in Months(Adm/Prod)	Production Lead Time in Months(Adm/Prod)-Total	Unit Cost	Total Cost	
$\Xi$	8	(9)	(4)	(5)		9	6	
1. AIRCRAFT CFE	15	Dec-98	10-lnf			1.1.A.	281.1	
2. AIRCRAFT GFE							22.4	
3. SUBTOTAL	0					-	303.5	
4. EOQ(MYP)							0.0	
						2.44		W-10
								<del></del>
5. TOTAL	15						303.5	·

-- FY99 advanced buy is planned for awarded for the FY00 - Lot XII procurement of 15 aircraft. -- P71 is the first aircraft of this lot buy; the scheduled delivery is Jul 01. -- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.

Exhibit P-10B Weapon System Advance Procurement Analysis/Justification

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	EC-130J

	FY 1996	FY 1996   FY 1997   FY1	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY										
COST (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Initial Spares (in M)		0	0	0	0	0	0	0	0	0
Total (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Unit Cost (in M)										

MISSION AND DESCRIPTION: The EC-130J will replace the current fleet of the EC-130E aircraft. The EC-130 fleet currently consists of eight EC-130E aircraft assigned to the 93<sup>rd</sup> Special Operations Wing at Harrisburg, PA. The 193<sup>rd</sup> SOW conducts special operation missions such as psychological operations, civil affairs radio and television broadcasts, Command Control Communications Measures, and limited intelligence gathering. Congress added \$70.5M in FY 97 for the procurement, modification, and support of one aircraft.

FY 98/99 PROGRAM JUSTIFICATION: N/A.

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**EXHIBIT P-40** 



AIRCRAFT COST ANALYSIS	A. Appn/Budget	dget	B. Popular Name	ame	C. Manufacturer	ırer	D. Date	
	Activity Title	Title/No.	EC-130J					
(Dollars in Millions)	Aircraft Proc AF/BA02 Airli	Proc 2 Airlift Acft			Lockheed Marietta, GA		Feb-97	
		QTY		QTY		QTY		QTY
	FY96		FY97	₹	FY98		FY99	
	Unit	Total	Unit	Total		Total	Unit	Total
	Cost	Cost	Cost	Cost	)			Cost
AIRFRAME/CFE	0.0	0.0	47.4	47.4	0.0	0.0	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0		0.0	
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0	0.0		0.0	
ARMAMENT	0.0	0.0	0.0	0.0	0.0		0.0	<del>, , , , , , , , , , , , , , , , , , , </del>
OTHER GFE	0.0	0.0	0.0	0.0	0.0		0.0	
CCU	00	00	0.0	0.0	0.0	0.0	0.0	
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PROGRAM MGT ADMIN REQMTS	Ċ		7 / /	N 7 N	c	00		
Subjoidi FLIAWAT COSTS	) )	) •	r ř	r.	2	ò	9	2
AIRFRAME PGSE				4.9				
ENGINE PGSE								
PECITI AR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA								
ECO (All Support Items)								
OTHER (PMA)				0,7				
OTHER (Wods)		0.0		73.0		0.0	1	0.0
Subject of the control of the contro		8		9		) j		)
GROSS P-1 COST		0.0		70.4	0.0	0.0		0.0
20 LESS: Prior Yr Adv. Proc						0		0
21 NET P.1 GOST		0.0		70.4		0.0		0.0

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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	C-130J

	FY 1996	FY 1996   FY 1997   FY1	FY1998	FY1999	FY 2000   FY 2001   FY 2002	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	2		1	0	0	0	2	2		
COST (In Millions)	0.86	62.8	49.9	0	0	0	157.9	177.2	TBD	TBD
Initial Spares (in M)	8.4	6.1	7.	0	0	0	13.5	17.0	TBD	TBD
Total (In Millions)	106.4	6.89	9.05	0	0	0	171.4	194.2	TBD	TBD
Unit Cost (in M)										

transport powered by four AE2100D3 turboprop engines. It has a max ferry range of 3,070 nautical miles, a service ceiling of 30,560 feet, and theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is medium size tactical supplies directly into objective areas through airlanding, extraction, airdrop or other delivery techniques; and the air logistics support of all a cruise speed of 342 knots, and can carry a max payload of 39,311 pounds. The Air Force is designated Executive Service for the C-130 MISSION AND DESCRIPTION: The C-130J provides the immediate and responsive air movement and delivery of combat troops and production contract.

FY 98/99 PROGRAM JUSTIFICATION: The C-130J will replace the aging C-130E models. The C-130J model will have an upgraded two crew member cockpit, modern technology avionics and new engines and propellers. C-130J will provide improvements in reliability and maintainability thus securing reductions in operating and support costs and improved availability.

AIRCRAFT COST ANALYSIS	A. Appn/Budget		B. Popular Name	ame	C. Manufacturer	rer	D. Date	
EXHIBIT P-5	Activity Title		C-130J					
(Dollars in Millions)	Aircraft Proc	C Lift Acft			Lockheed Marietta GA		Feb-97	
		QTY		QTY		QTY		QTY
	FY96		FY97	<del></del>	FY98	-	FY99	
	Unit	Total	Unit	Total	Unit	Total	Unit	Total
	Cost		Cost	Cost	Cost	Cost		Cost
AIRFRAME/CFE	49.0	98.0	47.4	47.4	49.9	49.9	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0		0.0	
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0	0.0		0.0	
ARMAMENT	0.0	0.0	0.0	0.0	0.0		0.0	
OTHER GFE	0.0	0.0	0.0	0.0	0.0		0.0	
CO	0.0	0:0	0.0	0.0	0.0	0.0	0.0	
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PROGRAM MGT ADMIN REQMTS	00	o o	7 7	17.1		400	Ċ	C
Subtotal FLYAWAY COSIS	48.0	98.0	4.74	4.74	94 9.	4. 9.	0.0	0.0
AIRFRAME PGSE ENGINE PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA ECO (All Support Items) OTHER (PMA)				3.2				
Subtotal SUPPORT COST		0.0	,	15.4	<u></u>	0.0		0.0
GROSS P-1 COST		0.86		62.8	12.5	49.9		0.0
20 LESS: Prior Yr Adv. Proc						0		0
21 NET P-1 COST		98.0		62.8		49.9		0.0
	,							

BUDGET PRO	<b>SCUREMENT HISTOR</b>	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	3IT (P-5A)	A. DATE						
FY98/99 Presidents Budget	Budget				Feb-97					
B. Appropriation/Budget Activity Aircraft Procurement/BA02, Airlift Aircraft	dget Activity BA02, Airlift Aircraft	C. P-1 II C-130J	C. P-1 Item Nomenclature C-130J	ī.						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY96	LASC Marietta, GA	SS/FP	AFMC			7	49.0 No	No	Yes	Feb-95
FY97	LASC Marietta, GA	SS/FP	AFMC			~	47.4 No	No	Yes	
FY98	LASC Marietta, GA	SS/FP	AFMC			<del>-</del>	49.9 No	NO N	Yes	
										·
D. REMARKS:										
			. (			Į×I	ברים ברים ברים ברים ברים ברים ברים ברים	TOTAL PROPERTY.	TACIO CAC TAC	2

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**EXHIBIT P-5A Procurement History and Planning** 

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	WC-130J

	Prior	FY 1996   FY	FY1997	FY1998	FY 1999	FY 2000	FY 2001	FY 2002	71997   FY1998   FY 1999   FY 2000   FY 2001   FY 2002   To Comp	Total
QUANTITY	0	3	3							
COST (In Millions)	0	131.7	165.7							297.4
Initial Spares (in M)	0	0								
Total (In Millions)	0	131.7	165.7							297.4
Unit Cost (in M)										49.6

theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four AE 2100D3 turboprop engines. The Air Force is designated Executive Service for the C-130 production aircraft. supplies directly into objective areas through airlanding, extraction, airdrop or other delivery tecniques; and the air logistics support of all MISSION AND DESCRIPTION: The C-130 provides the immediate and responsive air movement and delivery of combat troops and

storm conditions (hurricanes, tornadoes, etc.) for transmissions to the National Oceanographic and Atmospheric Administration (NOAA). The The WC-130 is the weather reconnaissance version of the C-130J. It provides immediate response for observation and reporting of critical WC-130s routinely fly 10 to 12 hour missions originating from Keesler AFB, MS.

procure and missionize C-130J aircraft for the weather mission. The final configuration of the WC-130J as a replacement for the current WC-FY97 Appropriations Bill added procurement funding for three WC-130 aircraft. Currently, the Air Force is evaluating the costs necessary to 130s is under review and is expected to be finalized by Spring 1997.

FY 98/99 PROGRAM JUSTIFICATION: N/A

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EXHIBIT P-40

AIRCRAFT COST ANALYSIS	A. Appn/Budget		B. Popular Name	Name	C. Manufacturer	turer	D. Date	Feb 97
EXHIBIT P-5	Activity litle/No.	e/No.			:			
(Dollars in Millions)			WC-130J		Lockheed Marietta, GA	<b>⋖</b>		
		QTY		QTY		QTY		QTY
	FY96	က	FY97	က	FY98	0	FY99	
	Unit	Total	Unit	Total	Unit	Total	Unit	t Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	t Cost
AIRFRAME/CFE	43.9	131.7	47.4	142.2		0.0		0.0
ENGINE/ACCESSORIES								
Eng Model: Allison AE2100								
ARMAMENT								
OTHER GFE								
ECO (All Flyaway Components)				1.4				
NON-RECURRING COSTS OTHER COSTS								
Subtotal FLYAWAY COSTS	43.9	131.7	47.4	143.6	0.0	0.0	0.0	0.0
AIDEDAME DOSE				09				·
ENGINE PGSE								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT				1.5				
PUBLICATIONS/TECH. DATA								
OTHER (ICS)		0.0		14.6		0.0		
Program Management Administration (PMA)		0.0				0.0		0.0
Subtotal SUPPORT COST		0.0		22.1		0.0		0.0
GROSS P-1 COST		131.7		165.7		0.0		0.0
20 1 ESS: Prior Vr Adv. Proc		0.0	,,,,,	0.0		0.0		0.0
21 NET P-1 COST		131.7		165.7		0.0		0.0
								EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT	Joint Primary Aircraft Training System (JPATS)

Prior OUANTITY	FY 96/	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
OUANTITY	or.									
	6	15	18	12	18	34	43	43	180	372
COST (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	190.8	6.72.9	1590.3
Initial Spares (in M)	0	0	0	0	0	0	0	6.3	63.3	129.6
Total (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	256.4	735.9	1718.9
Flyaway U/C (\$M)	8.2	4.7	3.1	3.3	2.8	2.6	3.2	3.1	3.2	3.3
Weapon System U/C	6.6	5.5	3.6	7.7	5.1	3.6	4.2	4.4	3.7	4.3

### MISSION AND DESCRIPTION:

underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve Sytems (GBTS). The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics, as well as, JPATS is a joint USAF/USN venture to replace the Services' fleet of primary trainer aircraft (T-37/T-34 respectively) and procures associated Ground Based Training as the Lead Executive Service.

The Program Management Administrative (PMA) initiative costs for the JPATS program are identified separately for FY96 - FY01 on the P-5 exhibit attached. The USAF planned quantity is 372, with the first procurement in FY95. The USN planned quantity is 339, beginning in FY00. The JPATS program will acquire a nondevelopmental aircraft plus JPATS missionization.

FY97 procurement quantity and funding adjusted from 12 to 15 aircraft with funds increasing from \$67.1M to \$82.4M, using \$15.3M of FY96 funds.

### FY 98 PROGRAM JUSTIFICATION:

The JPATS program will acquire a missionized version of an in-service, in-production aircraft. FY 98 funding will procure 18 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

FY 99 PROGRAM JUSTIFICATION: FY 99 funding will procure 12 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

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EXHIBIT Ps         Activity TitleINO.         Ontrophy           (Dollars in Millors)         01084740F         Ontrophy           FLYAMAY COST         FFY975         Training           FLYAMAY COST         Cost         OTM         FY975           ARFRAME/CE         RENORME/CESSORIES         RS         A74.2         4.77           FEND MORE         ARRAMENT         Cost         Cost         A74.2         4.77           AND NCS         ARRAMENT         CONTENT OF COSTS         ROUNTER COSTS         ROUNTER COSTS         ROUNTER COSTS         CROUND BASED TRAINING SYSTEMS COSTS         A174.2         4.77           GROUND BASED TRAINING SYSTEMS COSTS         Subtotal EVAWAY COSTS         CROUNTER COSTS <t< th=""><th>Title/No.</th><th></th><th>imary Aircra 3 System 3 3 3 12 12 12 12 12 12 12 12 12 12 12 12 12</th><th>Raythec Wichita</th><th><i>5</i> ∞ ≺</th><th></th><th>λIO</th></t<>	Title/No.		imary Aircra 3 System 3 3 3 12 12 12 12 12 12 12 12 12 12 12 12 12	Raythec Wichita	<i>5</i> ∞ ≺		λIO
Prior   Prior   Prior   Prior   9   Unit   Total   0   0   0   0   0   0   0   0   0	Cost Cost		System	FY98 Unit Cost	57 ∞ ∼		λL
FY96 & QTY   Prior   Prior   9   Unit   Total   Cost   C	tt Total		ατη 3 3 12 12 12 13 14 Cost 7 7 7 7 7 7 7 7 16 16 16 16 16 16 16 16 16 16	FY98 Unit Cost	57 m − √		λŁΟ
OSTS  SYSTEMS COSTS  SYSTEMS COSTS  SOST COST COST COST COST COST COST COST	C Cost	F 793	Total	FY98	18 I Total		- 3
OSTS SYSTEMS COSTS  S	t Total	- 0	Cost		Total	FY99	12
OSTS SYSTEMS COSTS SYSTEMS COSTS SYSTEMS COSTS SYSTEMS COSTS SYSTEMS COSTS  ASED TRG SYS  ASED TRG S	Cost	0	Cost				Total
COSTS  SYSTEMS COSTS  SYSTEMS COSTS  SYSTEMS COSTS  OD  OD  OD  OD  OD  OD  OD  OD  OD  O	·				Cost	0	Cost
OSTS  SYSTEMS COSTS  SYSTEMS COSTS  OO 00 00  ASED TRG SYS  Gistics)  FIENT  1.6 (5.0	·				56.4		39.2
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SYSTEMS COSTS  SYSTEMS COSTS  SYSTEMS COSTS  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					-		
SYSTEMS COSTS  SYSTEMS COSTS  SYSTEMS COSTS  On 0.0  On 0.0  Systems costs  ASED TRG SYS  Systics)  Systics)  AFIT  1.6  1.6  1.6  1.6  1.6  1.6							
SYSTEMS COSTS  SYSTEMS COSTS  SYSTEMS COSTS  On 0.0  Systems costs  ASED TRG SYS  Sigistics)  AFIT  1.6  1.6  1.6  1.6  1.6  1.6  1.6  1.							
Y COSTS         8.2         74.2           G SYSTEMS COSTS         0.0         0.0           Its)         0.0         0.0           IPMENT         1.6         15.0           S)         nistration (PMA)         1.6         15.0							
ING SYSTEMS COSTS  ING SYSTEMS COSTS  0.0  0.0  0.0  ND BASED TRG SYS  red Logistics)  red Logistics)  red Logistics)  red Logistics)  red Rogistics)							
ING SYSTEMS COSTS  0.0  0.0  0.0  0.0  0.0  0.0  ING SYSTEMS COSTS  0.0  0.0  ING SYSTEMS COSTS  0.0  0.0  0.0  0.0  ING SYSTEMS COSTS  0.0  0.0  0.0  0.0  ING SYSTEMS COSTS  0.0  0.0  0.0  0.0  0.0  0.0  0.0				7	56.4		30.2
ING SYSTEMS COSTS  0.0 0.0 0.0 0.0 Inents) FS ND BASED TRG SYS  ND					Š	2	4
nents) 1-S ND BASED TRG SYS ND BASED TRG							
nents) 1-S ND BASED TRG SYS ND BASED TRG				0.03	9.0	3.7	44.9
way Components) RING COSTS TS TS  total GROUND BASED TRG SYS  TS  GSE RAINING EQUIPMENT NS/TECH. DATA JPPORT ITEMS)  JROAD COMMAN  1.6 15.0							
way Components) IRING COSTS TS TS  total GROUND BASED TRG SYS  OSE (Deferred Logistics) SE RAINING EQUIPMENT INS/TECH. DATA IPPORT ITEMS) IAGAMENT Administration (PMA)			0.0	0	0.0		0.0
way Components)  RING COSTS TS  TS  total GROUND BASED TRG SYS  TS  GSE (Deferred Logistics) SE GSE  RAINING EQUIPMENT  NS/TECH. DATA  JPPORT ITEMS)  JROAD Administration (PMA)							
way Components)         RING COSTS         TS         total GROUND BASED TRG SYS       0.0         TS         rSE       0.0         GSE (Deferred Logistics)       SE         SSE       RAINING EQUIPMENT         NS/TECH. DATA       1.6         JPPORT ITEMS)       1.6         Agramment Administration (PMA)							
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RG SYS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.							
RG SYS 0.0 0.0 0.0 0.0 1.6 1.6 15.0							
1.6 15.0			0.0	0.03	0.6	3.7	44.9
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MENT 1.6 15.0 fration (PMA)							
1.6 15.0 reation (PMA)							
ration (PMA)			11.4	4 0.5	8.4	0.7	8.4
Program Management Administration (PMA)							
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Subtotal OTHER COSTS 1.6 15.0 0.8			41.4	4 0.5	8.4	0.7	8.4
GROSS P-1 COST 9.8 89.2 5.5			.5 82.4	4 3.6		7.7	92.5
20 LESS: Prior Yr Adv. Proc 0.0	0	0	7.0	0	0.0		0.0
21 NET P-1 COST 9.8 89.2 5.5				3.6	65.4	7.7	92.5
							<b>EXHIBIT P-5</b>



propriation/Budget 84740F Elements Year	indito		Budget Submission		February 97					
lements Year EHICLE	<b>.</b>	C. P-1 Item Joint Prima	C. P-1 Item Nomenclature Joint Primary Aircraft Training System (JPATS)	1 _						
EHICLE	Contractor	Contract Method	Contracted By	_	Date of First	Quantity	Unit	Specs	Specs REV	If Yes, when
			À		<b>A</b>		180	Available Now		Available
	Raytheon Aircraft		ASC/YT WPAFB OH	Feb-96	Dec-98	<b>е</b>	13.1	Yes	No S	A/N
FY97		C/FPO, FPIF with EPA	ASC/YT WPAFB OH	Feb-97	Jun-99	<u>5</u> 5	0.4.6 7.1	4.7 N/A 3.1 N/A	0 V V	4 /Z /Z
FY99			ASC/YT WPAFB OH	Feb-99	Feb-01	12	3.3	N/A	N/A	N/A
					4.4					
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#### D. REMARKS:

Variations in Unit Cost from FY to FY: There is a significant amount of non-recurring associated with FY95 which decreases in FY96 and FY97.

**EXHIBIT P-5A Procurement History and Planning** 

Exhibit P-21, Production Schedule AF & Navy	roduction	Sche	elub			FY	38 PF	FY98 PRESIDENT'S	ENT		BUDGET				Date Ja	e Jan-97													
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, 3010 & AP,N3	Treas) Co ement, 30	ode/C	C/B/ AP.N	VBSA I3	/Item	Con	trol N	lumbe	<u>۳</u>		Weapor JPATS	pon §	Weapon System JPATS		P-1 L	ine Ite Prima	³m Nc ry Air	craft	P-1 Line Item Nomenclature Joint Primary Aircraft Trainin	e Ng Sy	stem	JAP/	(TS)						
								PR	PRODUCT		ION RATE					PRO	SUR	MEN	PROCUREMENT LEADTIMES	TIME	S			_					
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ITEM		>			-	>			മ	Œ	ш	>	z	ب	G	۵	<b>-</b>	>			_							BALANCE	NCE
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	99 AF	12		0 12	N																$\vdash$	Н	Н	<u> </u>				12	
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Appropriation   Trans  Code/CEA/ABSA/tem Control Number   Mageon System   Appropriation   Trans  Code/CEA/ABSA/tem Control Number   Appropriation   Trans  App	Weapon System   P-1 Line Item Nomenclature   JIPATS    JIPATS    JIPATS    JUNIT PRIOR   JIPATS    JUNIT PRIOR   JIPATS    JUNIT PRIOR   JUN	Exhibit P-21, Production Schedule AF & Navy	roduction	Sche	elnbe			<b>F</b> Y98	FY98 PRESIDENT	IDEN	လွ	BUDGET				Date Jan-97	-97												
PRODUCTION Affe	PRODUCTION NOTES   18-5	Appropriation	Treas) Co	Ode/C	C/BA	BSA	tem (	Contro	lmnN lc	Jec		We	apon (	Syste		P-1 L	ine Ite	M πέ	men	Slatur	0.	1	,	Ó					
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CAENDEN YEAR 03	CALENDEN YEAR 103						FISC,	A YE	AR 03								-	SCA	- YEA	징									
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Appropriation/P-1 Line Item         Weapon System(If Applicable)         Equipment Nomenclature         Feb-97           Appropriation/P-1 Line Item         Weapon System(If Applicable)         Equipment Nomenclature         PE           3010/Joint Primary Aircraft         IPATS         APT         APT           Training System (IPATS)         Exit Plan         BY2+1         BY2+2         BY2+3         BY2+4         Total *           Fin Plan         Prior Yrs         CY (97)         BY1 (98)         BY2+1         BY2+2         BY2+3         BY2+4         Total *           Quantity         0         5         0         6         8         6         8         10         56**           Proc         0         0         44.9         35.2         28.6         42.6         52.5         254.2           RDT&E         0.06         0.06         0.06         0.06         129.0         129.0           O&S         0.06         0.06         0.06         0.06         129.0         ***	SIMULATO	R AND TRA	INING DEV	SIMULATOR AND TRAINING DEVICE JUSTIFICATION	CATION		(\$ M)		DATE	
n       Weapon System(If Applicable)       Equipment Nomenclature       PE         IPATS       BY2 (99)       BY2+1       BY2+2       BY2+3       BY2+4       Tot         CY (97)       BY1 (98)       BY2 (99)       BY2+1       BY2+2       BY2+3       BY2+4       Tot         CY (97)       BY1 (98)       BY2 (99)       BY2+1       BY2+2       BY2+4       Tot         CY (97)       BY1 (98)       BY2 (99)       BY2+1       BY2+2       BY2+4       Tot         CY (97)       BY1 (98)       BY2+1       BY2+2       BY2+4       Tot         CY (97)       BY1 (98)       BY2+4       Tot       Tot         CY (97)       BY1 (98)       BY2+4       Tot         CY (97)       BY2+3       BY2+4       Tot         CY (97)       BY2+3       BY2+4       Tot         CY (97)       BY2+4       Tot       Tot         CY (97)       BY2+3       BY2+4       Tot         CY (97)       BY2+4       Tot       Tot         CY (97)       BY2+3       BY2+4       Tot         CY (97)       BY2+4       TOt       Tot         CY (97)       BY2+4       TOt       TOT		FY98 PRESII	DENT'S BUI	CET						Feb-97
IPATS         BY2 (97)         BY1 (98)         BY2 (99)         BY2+1         BY2+2         BY2+3         BY2+4         Tot           CY (97)         BY1 (98)         BY2 (99)         BY2+1         BY2+2         BY2+4         Tot           CY (97)         BY1 (98)         BY2 (99)         BY2+4         Tot           CY (97)         BY1 (98)         BY2+4         Tot           D (90)         44.9         35.2         28.6         42.6         52.5           D (12.4         39.4         44.1         27.2         5.7         0.0         0.0           D (58)         0.60         0.61         0.63         113.94         17.66         ***	Appropriati	on/P-1 Line I	tem		em(If Appli		Equipment <b>d</b>	Jomenclatur	ə	PE
System (JPATS)           Prior Yrs         CY (97)         BY1 (98)         BY2 (99)         BY2+1         BY2+2         BY2+3         BY2+4         Tot           Prior Yrs         CY (97)         BY1 (98)         BY2 (99)         BY2+1         BY2+3         BY2+4         Tot           0         0         0         0         6         8         6         8         10         10           0         0         0         0         44.9         35.2         28.6         42.6         52.5         5           0         0.05         0.06         0	3010/Joint P.	rimary Aircra	ıft	JPATS						84740F
Prior Yrs         CY (97)         BY1 (98)         BY2 (99)         BY2+1         BY2+2         BY2+3         BY2+4         Tot           0         0         5         0         6         8         6         8         10         10           0         0         0         0         44.9         35.2         28.6         42.6         52.5         10           0.0         12.4         39.4         44.1         27.2         5.7         0.0         0.0         0.0         8.4           0.06         0.58         0.60         0.61         0.61         0.63         10.23         13.94         17.66         ***	Training Sy	stem (JPATS)				-				
0         0         6         8         6         8         10           0         0         0.0         44.9         35.2         28.6         42.6         52.5           0.0         12.4         39.4         44.1         27.2         5.7         0.0         0.0           0.06         0.58         0.60         0.61         0.63         10.23         13.94         17.66         **	Fin Plan	Prior Yrs	CX (97)	BY1 (98)	BY2 (99)	BY2+1	BY2+2	BY2+3	BY2+4	Total *
0         0         0         0         44.9         35.2         28.6         42.6         52.5           0         0.2         12.4         39.4         44.1         27.2         5.7         0.0         0.0           0.06         0.58         0.60         0.61         0.63         10.23         13.94         17.66         **	Quantity	0	5	0	9	8	9	8	10	56**
0.2         12.4         39.4         44.1         27.2         5.7         0.0         0.0           0.06         0.58         0.60         0.61         0.63         10.23         13.94         17.66         **	Proc	0	0	0.0	44.9	35.2	28.6	42.6	52.5	254.2
0.06 0.58 0.60 0.61 0.63 10.23 13.94 17.66	RDT&E	0.2	12.4	39.4	44.1	27.2	5.7	0.0	0.0	129.0
	O&S	90.0		0	0.61	69.0	10.23	13.94	17.66	***

### TRAINING SYSTEM DESCRIPTION

training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contract logisitic support and aircraft. This project represents the ground based training portion Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T-38 aircraft. The objective of both the Air Force and the Navy is to jointly acquire an integrated of the system.

- \* Equals total of "Prior Yrs" through Completion.
- \*\* Quantity consists of 5 for RDT&E and 51 for Procurement.

[does not include 7 TIMS(99) or 4 Trng Aids(00)]

\*\*\* Numbers received from AETC include FY96-FY03. They have no complete total through FY38.

EXHIBIT P-43	Simulator & Training Device Justification	
Page No.		-
P-1 Shopping List	Item No.	

### UNCLASSIFIED

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION	TRAINING D	EVICE JUSTI	FICATION (Page 2)	(\$ M)	(\$ M) FY98 PRESIDENT'S BUDGET	SIDENT'S	BUDGEL	•	100			
Appropriation/		Weapon Sys	Weapon System (If Applicable)	IOC Date	Equipment	t	1	PE				
P-1 Line Item		-			Nomenclature	ture						
3010/JPATS		JPATS		May-01			~	84740F				
Training Device		Delivery	Ready for	Average Student	Prior Years	Years	Current Year (97)	(ear (97)	Budget Year1 (98)	ear1 (98)	Budget Year2 (99)	ar2 (99)
By Type	Site	Date	Training Date	Throughput	Qty	Cost	Oty	Cost	Oty	Cost	Qty	Cost
OFT	Various				0	N/A	0	N/A	0	N/A	2	15.4
IFT	Various				0	N/A	0	N/A	0	N/A	2	9.5
CPT	Various				0	N/A	0	N/A	0	N/A	2	3.4
EGRESS	Various				0	N/A	0	N/A	0	N/A	0	N/A
BJECT	Various				0	N/A	0	N/A	0	N/A	0	N/A
TIMS	Various			· · · · · · · · · · · · · · · · · · ·	0	N/A	0	N/A	0	N/A	7	9.6
TRNG AIDS	Various				0	N/A	0	N/A	0	N/A	0	N/A
			P-1 Shopping List	List	Item No.		Page No. 2		EXHIBIT P-43	2-43		

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### UNCLASSIFIED

SIMULATOR AND TRAINING DEVICE	VG DEVI	CE			(\$ M)	FY98 PRE	FY98 PRESIDENT'S BUDGET	UDGET	:		DATE	Feb-97
Training Device by Type						Weapon S	Weapon System (If Applicable)	pplicable)				
Operational Flight Trainers (OFT)	OFT)					JPATS						
Description/Justification Operational Flight Trainers (OFI) are simulators used to train pilots in operational use of all aircraft controls and instruments and includes out-of-window visual scenes.	OFT) are ants	simulat ncludes	ors used to out-of-wi	train pilot ndow visua	s in operal scenes.	ational use	of all					
Financial Plan		PY	Ω O	CX (97)	B)	BY (98)	BY+1 (99)	(66)	Cost	Cost to Complete	Total Cost	
	Qfy	Cost	Qty	Cost	Qfy	Cost	Qty	Cost	Qfy	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	0	0	0	0	0	0	2	14.449	11	80.56	13	95.09
ECO's								0.944		5.26		6.21
Nonrecurring GFE												
Other(Specify)												
Total Unadiana		-						7 000		60		20,00
Lotal Hardware Costs				<b>-</b>		<b>-</b>		15.393		85.82		101.29
SUPPORT COSTS												
Special SE				************								
Integrated Logistics	· · · · · · · · · · · · · · · · · · ·											
Support												
Other(Specify)					·							
Total Support		0	T	0		0		0		0.00		0.00
Costs			·									
Software/												
Courseware												
		0	12	0		0		15.393		85.82		101.29
			5		,			;				
			P-1 Shop	Shopping List Item No.	em No.			Page No. 3		EXHIBIT P-43		
				,		1	!					

SIMULATOR AND TRAINING DEVICE JUSTIFICATI	VG DEV	ICE JUST	TFICATE	ON (Page 4)	(\$ M)	FY98 PRESIDENT'S BUDGET	DENT'S	BUDGET			DATE:	Feb-97
Training Device by Type						Weapon System (If Applicable)	tem (If A	(pplicable)				
Instrument Flight Trainers (IFT)	ET)					JPATS						
Description/Justification Instrument (IFT) are simulators used to train pilots in instrument flight procedures including: ground operations, takeoff, landing, normal instrument flight, in-flight maneuvers, communication/navigation procedures and other subsystems.	T) are si light, in-	imulators flight ma	used to t neuvers, o	rain pilots in i communicatio	instrument 1 in/navigatio	flight proced	ures incl and oth	uding: ground er subsystems.	operations, ta	ıkeoff,		
Financial Plan	Prior	Prior Years	Curren	Current Year (97)	Budget Y	Budget Year 1 (98)	Budge	Budget Year 2 (99)	Cost to C	Cost to Complete	Total Cost	Cost
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS Device (Hardware)	0	0	0	0	0	0	2	8,939	17	77.94	19	86.88
ECO's												
Nonrecurring												
Orber(Specify)												
										1		
Total Hardware Costs		0		0		0		9,523		83.03		92.55
SUPPORT COSTS				, , , , ,								
Special SE												
Integrated Logistics Supt. Other(Specify)												
Total Support Costs		0		0		0		0		0		0.00
	_											
Software/Courseware												
TOTAL COSTS												
		0		0		0		9.523		83.03		92.55
				P-1 Shopping List Item No.	List Item N	[0		Page No. 4		EXHIBIT P-43	_	

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT	T-1A Training System

	FY 96/	FY 96/ FY 1997	FY1998	FY1999	FY 2000	FY 2001   FY 2002	FY 2002	FY 2003	To Comp	Total
	Prior								•	
QUANTITY	180	0	0	0	0	0	0	0	0	180
COST (In Millions)	896.4	4.5	0	0	0	0	0	0	0	6.006
Initial Spares (in M)	59.7	0	0	0	0	0	0	0	0	59.7
(In Millions)	956.1	4.5	0	0	0	0	0	0	0	9.096
Unit Cost (in M)										

### MISSION AND DESCRIPTION:

integral part of the DOD 1989 Trainer Master Plan submitted to Congress in Feb 1989. The T-1A is a Beech 400T aircraft missionized with an avionics suite representative in task management and function of current and projected operational aircraft. The ground based training system award (Feb 90). Two of the five AETC bases were completed during FY93 (Reese AFB and Randolph AFB). Laughlin AFB was started in is comprised of courseware, training media, and simulators. The program entered the production phase beginning with the initial contract This program is the cornerstone in the Air Force's plan to return to Specialized Undergraduate Pilot Training (SUPT). The program is an Nov 93 and completed in Dec 94 (FY95). All three bases are currently training and graduating students.

# FY 98/99 PROGRAM JUSTIFICATION:

**∀**/∑

AIRCRAFT COST ANALYSIS	A. Appn/Budget		B. Popular Name		C. Manufacturer	turer	D. Date	Feb 97
EXHIBIT P-5	Activity Title/No.	e/No.						
(Dollars in Millions)	3010/10TTTS	TS T	T-1A Traini	ng System	T-1A Training System McDonnell Douglas St Louis, MO.	Douglas O.		
		QTY		QTY		QTY		QTY
	FY96		FY97		FY98		FY99	
	Unit	•	Cuit	•	Onit	Total	Unit	•
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	
AIRFRAME/CFE ENGINE/ACCESSORIES						0.0		0.0
Eng Model:								
ARMAMENT								
OTHER GFE								
ECC (All riyaway Components) NON-RECURRING COSTS								
OTHER COSTS								
Subtotal FLYAWAY COSTS	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		4.3						
ENGINE PGSE								
PECULIAR TRAINING EQUIPMENT		4.0		2.5		0.0		0.0
PUBLICATIONS/TECH. DATA		0.0		0.0				
ECO (ALL SUPPORT ITEMS)		0.0		0.0				
OTHER		0. 4		0.7		0.0		0.0
Program Management Administration (PMA)		1.0		0.1		0.0		0.0
Subtotal SUPPORT COST		10.3		<del>.</del> გ.		0.0		0.0
GROSS P-1 COST		10.3		4.5		0.0		0.0
Other non P-1 (Initial Spares)		21.2		0.0		0.0		0.0
21 NET P-1 COST		31.5		4.5		0.0		0.0
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BUDGET PRO	CUREMENT HISTORY	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT	3IT (P-5A)	A. DATE						
FY 98/99 Presidents Budget	Budget				Feb 97					
B. Appropriation/But 3010/10TTTS	idget Activity	C. P-1 T-1A TI	C. P-1 Item Nomenclature T-1A Training System	ture						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type		Award Date	Date of First Delivery	Quantity Unit		Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE FY95	MDTS, St Loius, MO. FPAF	FPAF	AFMC/ASC	Dec 94	Jul 96	33	4	4 Yes	ON	
D. REMARKS: Propulsion Costs are	included in the air vehic	D. REMARKS: Propulsion Costs are included in the air vehicle price on this program.								

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EXHIBIT P-5A Procurement History and Planning

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FY98 PRESIDENTS BUDGET			Item/Man	Proc Yea	McDonnel	irFrame)	FY 89	FY 90 AF	FY 91 AF	FY 92 AF	FY 93 AF	FY 94 AF	FY 95 AF													MANUFACTURER'S NAME AND	LOCATION		MDTS (St Louis, Missouri)			EXHIBIT P-21
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	09-HH

	FY 1996	FY 1996   FY 1997   FY 1	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	8	0	0	0	0	0	0	0	8
COST (IN millions)	0	107.8	0	0	0	0	0	0	0	107.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (in Millions)	0	107.8	0	0	0	0	0	0	0	107.8
Unit Cost (in M)	0	12.9	0	0	0	0	0	0	0	12.9

### MISSION AND DESCRIPTION:

contract with Sikorsky and converted to the latest combat rescue configuration to meet operational requirements. The FY97 program provides The objective of this program is to procure eight additional HH-60 helicopters. The aircraft will be acquired from the US Army multi-year Procurement of these eight helicopters fixes a force structure deficit, satisfies attrition reserve requirements, provides the capability to meet ongoing operations without using Special Operations Forces, and allows the Air Force to support the Committee on Roles and Missions funds for the procurement of eight HH-60 helicopters to include missionization for the Combat Search and Rescue (CSAR) mission. recommendations and Secretary of Defense direction to become the executive agent for CSAR.

# FY98/99 PROGRAM JUSTIFICATION: N/A

AIRCRAFT COST ANALYSIS	A. Appn/Budget	udget	B. Popular Name	Name	C. Manufacturer	cturer	D. Date	Feb-97
EXHIBIT P-5	Activity Title/No.	le/No.						
(Dollars in Millions)	Aircraft Pro	Aircraft Procurement HH-60	09-HH		Sikorsky	Ļ		
	Offier Afficial/DA 4			VTO	-1	) TO		V <sub>T</sub> C
	FY96	<u> </u>	FY97		FY98	7	FY99	- C
	Unit	Total		Total	Unit	Total	-	Total
	Cost		Cost	Cost	Cost	Cost	_	Cost
AIRFRAME/CFE		0.0	6.2	49.2		0.0		0.0
PROPULSION		0.0	1.6	12.7		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0
AVIONICS		0.0	3.8	30.0		0.0		0.0
WEAPON DELIVERY SYSTEM		0.0	,	0.0		0.0		0.0
OTHER GFE		0.0	0.4	T.		0.0		0.0
ECO (All Flyaway Components)		0.0		0.0		0.0		0.0
NON-RECURRING COSTS		0.0	,	0.0		0.0		0.0
MISSIONIZATION		0.0	1.0	8.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	12.9	103.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		0.0
ENGINE PGSE		0.0		0.0		0.0		0.0
AVIONICS PGSE		0.0		4.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0		0.0		0.0
PUBLICATIONS/TECH. DATA		0.0		0.8		0.0		0.0
OTHER (ICS)		° ,		0.0		0.0		0.0
S/W INVESTMENT		0.0		0.0		0.0		0.0
Program Management Admin Requir (PMAR) OTHER		0.0		0.0		0.0		0.0
Subtotal SUPPORT COST		0.0		8.4		0.0		0.0
GROSS P-1 COST		0.0		107.8		0.0		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		107.8		0.0		0.0
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	Т	Τ	96,	
		If Yes, when Available	Dec-96	
		Specs REV REQ'D	Yes	
:		ole Now	Yes	
		Specs	12.9	
		Unit		
		Quantity	œ	
Fehriary 97	io Ampiro	Date of First Delivery	Арг-98	
A. DATE		Award Date	Apr-97	
5A)	C. P-1 Item Nomenclature	Contracted By	Å M	
HIBIT (P-	-1 Item N 60	Contr	US Army ATCOM	
/ AND PLANNING EX	C. P-1 lt	Contract Method & Type	Multi - year option fixed price	
BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) Budget Submission	ctivity	or tion	Sikorsky M Stratford, CT fix	
BUDGET PROCURE FY98 Defense Budget Submission	B. Appropriation/Budget Activity 3010/ BA 04 / OTHER AIRCRAFT	Cost Elements Contractor Fiscal Year and Loca	AIR VEHICLE Sis	D. REMARKS:

EXHIBIT P-5A Procurement History and Planning

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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
	C-37A (Small VCX)
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	

	FY 1996	FY 1996   FY 1997   FY	f. 1	FY 1999	FY2000	FY2001	FY 2002	FY 2003	1998 FY 1999 FY2000 FY2001 FY 2002 FY 2003 To Comp Total	Total
QUANTITY		2								2
COST (IN millions)		99.2								99.2
Initial Spares (in M)		3.8								3.8
Total (in Millions)		103.0								103.0
Unit Cost (in M)		49.6								49.6

### MISSION AND DESCRIPTION:

The C-37A is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

## FY97 PROGRAM JUSTIFICATION:

The FY97 program provides funds for the procurement of two commercial, off-the-shelf, long-range aircraft as well as missionization of these commercial aircraft. Replacement aircraft are required that offer improved reliability, reduced O&S costs, compliance with Federal Aviation aircraft. The current C-137 fleet averages 35 years of age, is costly to operate and lacks the performance and safety features common in Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.



AIRCRAFT COST ANALYSIS	A. Appn/Budget	Idaet	B Popular Name	Name	Manifacture.	1041140	2,50	1
EXHIBIT P-5	Activity Title/No.	le/No.		2			D. Date	/e-gal
(Dollars in Millions)	Aircraft Pro	ocurement	Aircraft Procurement C-37A (Small VCX)	all VCX)	TBD			
	Other Aircraft/BA	aft/BA 4						
		QTY		QTY		QTY		QTY
-	FY96		FY97	2	FY98	0	FY99	
	Unit		Unit	Total	Unit	Total	Unit	it Total
	Cost	Cost	Cost	Cost	Cost			
AIRFRAME/CFE		0.0	49.6	89.2		0.0		0.0
COMMONICATIONS STSTEM ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model:		0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0
SE/PM Elvanov Components)		0.0		0.0		0.0		0.0
NON-RECURRING COSTS		0.0		0.0		0.0		0.0
MISSIONIZATION		0.0		0.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	49.6	99.2	0.0	0.0	0.0	
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		0.0
ENGINE PGSE		0.0		0.0		0.0		0.0
AVIONICS PGSE PECILIAR SUPPORT FOLIPMENT		0.0		0.0		0.0		0:0
PUBLICATIONS/TECH. DATA		0.0		0.0		0.0		0.0
OTHER (ICS)		0		0.0		0.0		0.0
S/W INVESTIMENT Program Management Admin Regimt (PMAR)		0.0		0.0		0.0		0.0
OTHER		0.0		0.0		0.0		0.0
Subtotal SUPPORT COST		0.0		0.0		0.0		0.0
GROSS P-1 COST		0.0		99.2		0.0		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0	· · · · · · · · · · · · · · · · · · ·	99.2		0.0		0.0
								EXHIBIT P-5

BUDGET PROCURE FY98/99 Presidents Budget	CUREMENT HISTOR	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT Presidents Budget	3IT (P-5A)	A. DATE	Feb-97				:	
B. Appropriation/Budget Activity	aet Activity	C. P-1 II	C. P-1 Item Nomenclature	e						
Aircraft Procurement/B	A04, Other Aircraft	C-37A (	Small VCX)	2						
Cost Elements Contractor Fiscal Year	Contractor and Location	Contract Method	Contracted Bv	Award	Date of First	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV	If Yes, when
AIR VEHICLE FY97	Competitive	д Д Ц	ASC/LAAV	May-97	Aug 98	7	49.6			
			24,1							
D. REMARKS:										

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**EXHIBIT P-5A Procurement History and Planning** 

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C-37A					$\dashv$		Н		Ц	Щ			Н		$\vdash$												Ш							$\vdash$		
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
	C-32 (VCX)
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	

	Prior	Prior FY 1996 FY	 1997 FY 1998	FY1999	FY2000	FY 2001	FY 2003	FY 2001   FY 2003   To Comp	Total
QUANTITY			2	2					4
COST (IN millions)			190.1	167.0					357.1
Initial Spares (in M)			0	0	59.5				59.5
Total (in Millions)			190.1	167.0	59.5				416.6
Unit Cost (in M)			94.5	83.5					89.3

### MISSION AND DESCRIPTION:

The C-32 is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

# FY98/99 PROGRAM JUSTIFICATION:

The FY 98/99 program provides funds for the procurement of four C-32A aircraft - Boeing 757-200s. These aircraft are being acquired under a FY 96 commercial lease-to-purchase contract. The current C-137 fleet averages 35 years of age, is costly to operate and lacks performance and safety/navigation features inherent on modern commercial aircraft. The C-32A provides improved reliability, lower operating and support costs, will incorporate the latest navigation and safety features, and comply with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.



AIRCRAFT COST ANALYSIS EXHIBIT P-5	A. Appn/Budget	udget	B. Popular Name	Name	C. Manufacturer	cturer	D. Date	Feb-97
	ACTIVITY   ITTIE/NO.	le/No.						
(Dollars in Millions)	Aircraft Procurem Other Aircraft/BA	Aircraft Procurement Other Aircraft/BA 4	C-32 (VCX)		Boeing Seattle WA			
		QTY		OTY	6	OTV		VTO
	FY96	0	FY97	0	FY98	2	FY99	3
	Unit	<u>.                                    </u>	Unit	Total	Unit	To	Unit	Total
	Cost	Cost	Cost	Cost	Cost			Cost
AIKFKAME/CFE		0.0		0.0	89.3	178.6		155.0
FROPULSION		0.0		0.0		0.0		0.0
ENGINE/ACCESSORIES Eng Model: E-118 OF 100	-	0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0
OTHER COSTS (FAA/Service Bulletins)		0.0		0.0	7.7	0.0	G	0.0
ECO (All Flyaway Components)		0.0		0.0	i S	0.0	0.0	0.21
NON-RECURRING COSTS		0.0		0.0		0.0		0.0
MISSIONIZATION		0.0		0.0		0.0		0.0
Subtotal FLTAWAY COSTS	0.0	0.0	0.0	0.0	94.5	189.0	83.5	167.0
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		0
ENGINE PGSE		0.0		0.0		0.0		0.0
PECILIAR TRAINING FOLIDMENT		0.0		0.0		0.0		0.0
PUBLICATIONS/TECH, DATA		0.0		0.0		0.0		0.0
OTHER (ICS)				0.0		0.0		0.0
S/W INVESTMENT		0		0.0		7.7		0.0
Program Management Admin Reqmt (PMAR)		0.0		0.0		0.0		0.0
OTHER Strict Strict		0.0		0.0		0.0		0.0
Subtotal Surrori COS		0.0		0.0		1.7		0.0
GROSS P-1 COST		0.0		0.0		190.1		167.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		190.1		167.0
	l						Ě	EXHIBIT P-5

BUDGET PROCURER FY98/99 Presidents Budget	OCUREMENT HISTOR Budget	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) 9 Presidents Budget	IIBIT (P-5A)	A. DATE	Feb-97					
B. Appropriation/Budget Activity Aircraft Procurement/BA04, Other /	dget Activity 3A04, Other Aircraft	C. P-1	C. P-1 Item Nomenclature C-32 (VCX)	ıre						
Cost Elements Contractor Fiscal Year and Location	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY 98 FY 99	Boeing Company Boeing Company	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ASC/LAAV ASC/LAAV	Aug-96 Aug-96	Jan 98 Oct-99	0.0	94.5 83.5	Yes	0 0 Z Z	N N N/A
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D. REMARKS:										

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EXHIBIT P-5A Procurement History and Planning



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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT	Joint STARS

	Prior	FY 1996   FY	1661	FY1998	FY1998   FY 1999   FY 2000   FY 2001	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	9	2	2	1	2	2	2	2	0	19
COST (In Millions)	1316.0	467.8	536.9	336.4	671.3	593.7	518.0	407.6	36.4	4884.1
Initial Spares (in M)	99.2	8.89	0.0	35.1	95.2	65.3	52.7	36.1	27.8	480.2
Total (In Millions)	1415.2	536.6	536.9	371.5	766.4	659.0	570.7	443.7	64.3	5364.3
Unit Cost (in M)										

### MISSION AND DESCRIPTION:

other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-ofreal-time, compared with current interdiction missions which are performed on a preplanned basis.

## FY98 PROGRAM JUSTIFICATION:

Procure 1 aircraft and associated support.

## FY99 PROGRAM JUSTIFICATION:

Procure 2 aircraft and associated support.

UNCLASSIFIED

EXHIBIT P-40

AIRCRAFT COST ANALYSIS	A. Appn/Budget	lget	B. Popular Name	ame	C. Manufacturer	Ą٢	D Date	
EXHIBIT P-5	Activity Title/No.	No.	Joint Stars			;	2	
(Dollars in Millions)	Aircraft Proc				Northrop Grumman Corp	ıman Corp	Feb-97	
	AF/BA04 Other Aircraft	her Aircraft			•	•		
		QTY		QTY		QTY		OTY
	FY96	2	FY97	2	FY98	*	FY99	
	Unit	Total	Unit	Total	Cnit	Total	Chit	Total
-	Cost	Cost	Cost	Cost	Cost	Cost		tac.
AIRFRAME/CFE FNGINF/ACCESSORIES	120.5	240.9	115.1	230.2	128.9	128.9	-	272.0
AVIONICS: CFE	67.9	135.8	71.3	142.6	81.3	81.3	76.3	152.6
GFE	4.1	8.2	2.4	4.8	4.9	4.9	2.6	5.2
OTHER GFE								
ECO	0.4	0.8	1.8	3.6	21.4	21.4	44.7	89.3
NON-RECURRING COSTS	7.7	15.3	12.7	25.3	16.4	16.4	8.2	16.4
OTHER COSTS	40.3	9.08	31.3	62.6	6.09	6.09	36.8	73.5
Subtotal FLYAWAY COSTS	240.8	481.6	234.6	469.1	313.8	313.8	304.5	609.1
AIRFRAME PGSE ENGINE PGSE								
AVIONICS PGSE		0.7		3.4		7 8		α,
PECULIAR TRAINING EQUIPMENT		5.2		12.5		. r.		4. a
PUBLICATIONS/TECH. DATA		1.4		4.9		5.1		
OTHER		31.9	-	34.4	-	32.7		43.1
PRGM MG I ADMIN (PMA)		0.1		0.0		15.7		15.2
Subtotal SUPPORT COST		39.3	I	55.2		67.1		74.3
GROSS P-1 COST		520.9		524.3	, n	380.9		. 683.4
20 LESS: Prior Yr Adv. Proc		-148.8		-128.5		-67.0		-115.2
21 NET P-1 COST	_	372.1		395.8		314.0		568.2

A. DATE	18-00L
	SODGET PROCOREMENT HISTORY AND PLANNING EXHIBIT (P-3A)

C. P-1 ITEM NOMENCLATURE

B. APPROPRIATION/BUDGET ACTIVITY

	IF YES, WHEN AVAIL		ONGOING	ONGOING	ONGOING	ONGOING		ONGOING	ONGOING	ONGOING	ONGOING		
	SPEC REVIS REQ'D		YES	YES	YES	YES		YES	YES	YES	YES		
	SPECS AVAIL NOW		YES	YES	YES	YES		YES	YES	YES	YES		
	UNIT		240.8	234.6	313.8	304.5		N/A	Α'X	A/N	ΑX		
	ατγ		7	α.	_	7		A/N	A/N	Α V	Α X		
Joint STARS	DATE OF FIRST DELIVERY		MAY 99	MAR 00	JAN 01	JUN 04		*	*	*	*		
	AWARD DATE		DEC 96	MAY 97	OCT 97	OCT 98		NOV 95	96 AON	NOV 97	NOV 98		
	CONTRACTED BY		ESC/JSK	ESC/JSK	ESC/JSK	ESC/JSK		ESC/JSK	ESC/JSK	ESC/JSK	ESC/JSK		
AIRCRAFT	CONTRACT METHOD & TYPE		SS/FP	SS/FP	SS/FP	SS/FP		SS/FP	SS/FP	SS/FP	SS/FP		
AIRCRAFT PROCUREMENT,AF/BA04/OTHER AIRCRAFT	CONTRACTOR AND LOCATION		GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE		GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE		-
AIRCRAFT PRO	COST ELEMENT/ FISCAL YEAR	AIRFRAME	FY96	FY97	FY98	FY99	SUPPORT	FY96	FY97	FY98	FY99		

NOTE: FIRST EIGHT AIRCRAFT WILL BE ON A LOW RATE INITIAL PRODUCTION (LRIP) CONTRACT (REFERENCE UNDER SECRETARY OF DEFENSE (A&T) MEMORANDUM JOINT STARS (JSTARS) PRODUCTION (U) JUN 15, 1995).

\* Support Cost consist of items such as PSE, CSE, Training. Date of first delivery will be lead time to support A/C delivery schedule

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State   Stat	FY94/95 BUDGET, PRODUCTION	ON SCHEDI	ULE		<u></u>	TEM	NON	ENC	Į.	Ë	loint (	TAR	s									PA	üμ	ũ	eb-97												
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MANUFACTURER'S NAME	PROD	UCTION -	PRODUCTION RATES	1	₽	_ ا	Ш		1	N N	뾠	W	ш	P P	PROCUREMENT LEAD TIMES		.]	7	7	7	7	1	7	1 00	REMARKS	- S	_	2	2	7		7	۲	7	2		9	$\exists$	$\neg$
AND LOCATION	MIN	<u> </u>	1-8-5	MAX	₽ 2	_						₹	N S	틧	ADMIN LEAD TIME	ų,	L,			-	-	TOTAL																	
Northop Grumman Corporation	┦	;			·Π							200	1 OCT		10CT	Ľ L		MF TIME	n 111		∢ -	1 OCT	~	<u>z</u>	ģ	ខ្វ	AD.	IME IME	S	NO LONG LEAD TIME INCLUDED	A								
PO Box 9650 Melbourne FL 32902		+	4	2	I	45	-	D I G	INIT	Ω	l	٠			u			3011 66	Š		Ç	0011		Ē	ls rep	rese	nts th	e ave	erage	oycl	e tîme	e for	Full	This represents the average cycle time for Full Procurement Only.	reme	ō	Ę.		
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) / BA04, OTHER AIRCRAFT	Joint STARS

QUANTITY         COST (In Millions)         554.6         95.8         141.0         22.4         103.0         125.4         120.0         0         0         110.0		Prior	FY 1996	FY1997	FY1998	FY 1999	FY 2000	0 FY 2001	FY 2002	FY 2003	Total
Afillions)         554.6         95.8         141.0         22.4         103.0         125.4         120.0         0         0         1	QUANTITY										
	COST (In Millions)	554.6	95.8	141.0	22.4	103.0	125.4	120.0	0	0	1162.2

### MISSION AND DESCRIPTION:

other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-ofreal-time, compared with current interdiction missions which are performed on a preplanned basis.

## FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

## FY99 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

#### IOTE:

FY97 Advance Buy funds include funding for FY98 aircraft (P11 - \$55.6M), FY99 aircraft (P12 - \$55.5M), and FY99 aircraft ((P13 - \$29.8M) (partial requirement)). FY98 Advance Buy funding of \$22.4M funds the balance of FY99 aircraft (P13 - Long Lead requirements) FY95 Advance Buy included \$99.9M for the procurement of remaining aircraft platforms and mission equipment (FY96-02)

WEAPON SYSTE (PROCUREME	EAPON SYSTEM ADVANCE PROCUREME (PROCUREMENT OF ADVANCE DESIGN	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)	Ja)	PRIOR YEAR FOR FISCAL YEAR PROGRAM FY 1995 for FY 18	YEAR PROGRAM: FY 1995 for FY 1996	л: 1996
	(TOA, DOLLARS IN THOUSAND)	IN THOUSAND)		Date	Feb-97	
Advance Procurement/Advance	Ouantify	Date Contract Award	Delivery Date of First Follipment Required	Production Lead Time in Months (Admin/Prod) - Total	Total Cost	Actual Contract
BASIC CONTRACT EFFORT	2	36-lnc	FY99	(5/12) 17	128.2	127.5
OVER AND ABOVE MODIFICATIONS	2	Jul-95	FY99	(5/12) 17	41.0	40.9
CONFIGURATION UPDATE	2	Jul-95	FY99	(5/12) 17	1.3	1.3
DIMINISHING MANUFACTURING	2	Jul-95	FY99	(5/12) 17	5.0	5.0
MULTI-YR AIRCRAFT BUY	+	Jul-95	FY99	(5/12) 17	41.5	29.3
MILSTRIP	2	Jul-95	FY99	(5/12) 17	0.3	0.3
SUBTOTAL					217.3	204.2
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					217.3	204.2
NIADDATIVE DESCRIPTION:						

NARRATIVE DESCRIPTION:
The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

The Multi-year category includes airframe purchases, storage, inspections, and selection costs.

Actuals through 31 Dec 96

WEAPON SYSTE (PROCUREME	WEAPON SYSTEM ADVANCE PROCUREMENT (PROCUREMENT OF ADVANCE DESIGN AND	EAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)	, (0	CURRENT YEAR FOR FISCAL YEAR PROGRAM: FY 1996 for FY 1997	AL YEAR PROGRAM FY 1996 for FY 1997	AM: 997
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date	Feb-97	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	2	96-InC	FY00	(5/12) 17	34.7	69.5
OVER AND ABOVE MODIFICATIONS	2	Jul-96	FY00	(5/12) 17	11.0	22.0
CONFIGURATION UPDATE	7	Jul-96	FY00	(5/12) 17	1.0	2.0
DIMINISHING MANUFACTURING	2	96-Juf	FY00	(5/12) 17	1.0	2.0
MILSTRIP	2	96-InC	FY00	(5/12) 17	0.2	0.3
SUBTOTAL					47.9	95.8
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					47.9	95.8
						·
						-
NARRATIVE DESCRIPTION:						

The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

WEAPON SYSTE	EM ADVANCE PRO	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10)	, (0	BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM:	AL YEAR PROGR	AM:
(COMPA	RISON OF REQUE	(COMPARISON OF REQUEST TO EXECUTION)			FY 1997 for FY 1998	98
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date	Feb-97	
Advance Procurement/Advance Funding		Date Contract Award	Delivery Date of First	Production Lead Time in Months (Admin/Prod) -		
Items	Quantity	Planned/Required	Equipment Required	Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	2.5	Dec 96 (P-11)	FY01	(5/12) 17	46.7	116.7
OVER AND ABOVE MODIFICATIONS	2.5	Oct 97 (P12,13) Dec 96 (P-11)	FY01	(5/12) 17	8	000
		Oct 97 (P12,13)			3	2.5
CONFIGURATION UPDATE	2.5	Dec 96 (P-11)	FY01	(5/12) 17	0.8	2.0
DIMINISHING MANUFACTURING	2.5	Dec 96 (P-11)	FY01	(5/12) 17	80	0
		Oct 97 (P12,13)			3	2
MILSTRIP	2.5	Dec 96 (P-11)	FY01	(5/12) 17	0.1	0.3
		Oct 97 (P12,13)				
SUBTOTAL					56.4	141.0
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL						
					56.4	141.0
NARRATIVE DESCRIPTION: The Inint STAPS Broduction Brosson society and the state of	- lotomixorada ocuin	Aff worth mind The first				

complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements. The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to

FY97 Advance Buy funds include funding for P11 (\$55.6M), P12 (\$55.5M), and P13 (\$29.8M) ((partial requirement)). FY98 Advance Buy funding of \$22.4M are balnace of P13 Long Lead funds.

WEAPON SYSTE	EM ADVANCE PRO RISON OF REQUE	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION)	(0)	BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM: FY 1998 for FY 1999	CAL YEAR PROGRAM FY 1998 for FY 1999	RAM: 999
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date	Feb-97	
Advance Drawn Standard Company			i.	_		
Items	Quantity	Planned/Required	Equipment Required	Montins (Admin/Prod) - Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	0.5	1QTR FY98 (P13)	FY02	(5/12) 17	A/N	22.4
OVER AND ABOVE MODIFICATIONS	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
CONFIGURATION UPDATE	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
DIMINISHING MANUFACTURING	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
MILSTRIP	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
SUBTOTAL					0.0	22.4
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					0:0	22.4
						•
NARRATIVE DESCRIPTION:						-
The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to	uires approximately	a 45 month cycle. The fun	ding associated with each	ot is active for 3 years thus A	dvance Buv Fundir	na is required to

The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

FY98 Advance Buy funds include funding for P13 (partial requirement). Balance P13 Advance Buy funds (\$29.8M) funded in FY97.

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT	PREDATOR UNMANNED AERIAL VEHICLE

					0000	TAT7 0004	ACCOUNT AND	C000 TET	E C	Total
	FY96/Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	KY 2002	F Y 2003	10 Comp	10tai
OHANTITY SYS		2	3	2	0	0	0	0	0	7
OHANTITY A/V		16	15	11	6		1	1	0	54
ATTENTION A/V		~	3	3	6	1	-	I		26
COST (In Millians)		107.8	116.5	79.3	45.1	6.5	<i>L</i> .9	6.9	0	368.8
CODIT (THE INTERIOR)										

MISSION AND DESCRIPTION:

ground support equipment. Six Ground Control Stations, three Trojan Spirits and twenty-one air vehicles (of which two were combat losses) with various payloads were EO/IR and SAR payloads to support RDT&E efforts which include deicing, Mode IV IFF, and Air Traffic Control System (VOX), as well as additional Payloads, Heavy theater of operation in support of the peace keeping operations. Based on the operations performance, and maturity of the system, the Joint Staff has concluded that the urgent requirement identified by the Joint Chiefs of Staff in July 1993. The requirement was for a long dwell (24-hour plus coverage of a target beyond line-of-sight), acquired during the ACTD RDT&E program. The system has been successfully demonstrated in a number of CONUS exercises and has twice deployed to the Bosnia additional air vehicles, SARS, Ku-Band Data Links, Trojan Spirit IIs to bring original ACTD assets up to six complete operational systems (Note: the original ACTD imagery to the task force commander throughout his operational theater. The system is compatible with the current C4I architecture. A total of 13 systems of the 16 vehicles and spares. The Defense Airborne Reconnaissance Office (DARO) has also identified a need for an additional Ground Control Station and air vehicles with Predator System provides significant military utility. The Joint Staff identified a requirement for sixteen completely operational systems with additional attrition air evaluation, Interim Logistics Contractor Support, and Integrated Logistic Support. FY97 funding procures two complete systems, deicing kits attrition air vehicles, systems requirement is being procured. The operational configuration consists of four air vehicles, one Ground Control Station, one Trojan Spirit II and associated Commander. The air vehicle carries electro-optical (EO), Infra-Red (IR), and synthetic aperture radar (SAR) sensors, and is capable of transmitting near real time The Predator Medium Altitude Endurance (MAE) Unmanned Aerial Vehicle was acquired as an ACTD program using non-developmental assets in response to an autonomous, unmanned, reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Fuel Engine and UAV CARS as required. Procurement funding includes system production, production support, engineering services, acceptance testing and systems only had three air vehicles, operational systems have four, and did not include all SARs, Trojan Spirits and logistics required)

## FY 98 PROGRAM JUSTIFICATION:

FY98 funding supports the procurement of three systems and cut-in and retrofit of UHF/VHF Voice (VOX) and Mode IV IFF.

## FY 99 PROGRAM JUSTIFICATION:

FY99 funding supports the procurement of two systems and continued retrofit of VOX and Mode IV IFF.

AIRCRAFT COST ANALYSIS	A Ann	A Appro/Budget					D Date	Fah.07
EXHIBIT D.5	Activity	Activity Title/No					200	200
(Dollars in Millions)	10/35205F	05F	Predato	r Unma	Predator Unmanned Aerial Vehicle	al Vehicle	<b></b>	
			Genera	Atomic	s / Northr	op-Grum	General Atomics / Northrop-Grumman/ Versitron	ou
		QTY		QTY		QTY		QTY
	FY96		FY97	16	FY98	15	FY99	7
	Cuit	Total	Unit	Total	Cuit	Total	Onit	Total
Predator Systems	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
System: Air Vehicles, Data Links, SARs, Ground Control Stations, and Trojan Spirit				70.4		81.6		55.5
P3I				6.1		5.5		5.6
Production Support				3.8		3.9		4.0
Interim Contractor Logistics Support				5.4		5.5		0.0
Integrated Logistics Support				22.1		20.0		14.2
TOTAL SYSTEM COST	0	0.0	-	107.8	6	116.5	0	79.3
NOTE: The FY97 funding includes additional air vehicles, SARs, Data Links, Trojan Spirits and Logistics Support to bring the original ACTD assets up to six complete operational systems.								
							E	EXHIBIT P-5

CONTRACT CONTRACTOR METHOD & TYPE AND LOCATION SS/FFP General Atomics San Diego, CA	Predator Unn General Atorr contractor Award and Location Date	Predator Unmanned Aerial Vehicle General Atomics / Northrop-Grumman/ Versitron AWARD DATE OF FIRST SPECS	man/ Versitron	
CONTRACT CON METHOD & TYPE AND SS/FFP General San Dig		DATE OF FIRST	man/ Versitron	
METHOD & TYPE AND I			200	IC VEO
SS/FP General		DELIVERY	MOM	WHEN AVAIL
SS/FFP General				
San Die	Atomics Mar-97	97 Dec-97	Yes	
SS/FFP Lockheed Martin	ego, CA d Martin Mar-97	97 May-98	Yes	
SS/FFP Northrop Grumman	Salt Lake City, UT Inthrop Grumman Mar-97	97 May-98	Yes	
Baltimore, MD CP/FFP Electro Space Sys Richardson TX	Baltimore, MD lectro Space Sys Richardson TX	97 Aug-98	Yes	
SS/FFP General Atomics	Atomics Mar-98	98 Dec-98	Yes	
SS/FFP Lockheed Martin	San Diego, CA ockheed Martin Mar-98	98 Dec-98	Yes	
Salt La SS/FFP Northrop		98 Dec-98	Yes	
CP/FFP Electro S		98 Aug-99	Yes	
SS/FFP General		99 Dec-99	Yes	
San Die SS/FFP Lockhee	!	66-590 Dec-99	Yes	
Salt La SS/FFP Northrop Baltimo		99 Dec-99	Yes	
	SS/FFP Northrop Baltimo CP/FFP Electro S SS/FFP General. San Dis SS/FFP Lockhee. Salt Lal SS/FFP Northrop Baltimo	ys UT Ian	Mar-99 Mar-99 Mar-99	Mar-99 Dec-99 Mar-99 Dec-99 Mar-99 Dec-99

FY98/99 BUDGET PRODUCTION	Sobro	NOIT					٩		Σ	S S	P-1 ITEM NOMENCLATURE	ATC	RE											ı			<u> </u>	DATE	<u>1</u> 2	brua	February 1997	266							100	
SCHEDULE							P.	ED/	\TOI	NO.	PREDATOR UNMANN	!NEC	) AE	RIAI	. VE	ED AERIAL VEHICLE	,,,																						۷	
						_	FISCAL YEAR 96	AL	YEA	ع 96								Ē	SCA	FISCAL YEAR 97	AR	97							됴	SCA	יר אנ	FISCAL YEAR 98	86							
S		Accep.	Bal		1995	35			ğ	ΥĒ	CALENDAR YEAR 199	966				_	1996	၂ၜၟ	S	CALENDAR YEAR 97	DAR	YE	R 9					1997	7	정	ENC	JAR	YEA	CALENDAR YEAR 98	_				⋖	
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		BUDGET ITEM J	BUDGET ITEM JUSTIFICATION SHEET	SHEET			DATE: February 1997	1997
	APPROPRIATIO AIRCRAFT PRO	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT AF (3010)/BA06	TVITY (3010)/BA06					
	9661	1997	1998	1999	2000	2001	2002	2003
Replenishment Spares	146.170	97.742	60.120	62.127	62.488	63.420	84.816	104.481
Initial Spares	395.320	72.904	289.890	369.589	502.381	544.933	533.442	690.234
TOTAL COST								
(MILLIONS)	541.490	170.646	350.010	431.716	564.869	608.353	618.258	794.715
MISSION AND DESCRIPTION	RIPTION							

# Program Definition: Aircraft Replenishment Spares (Budget Program 150000);

to depot repair (XD items) and are not discarded until depot repair is no longer economical. The requirement is based on an item specific failure/demand driven computation that supports the flying hour program leadtime away. The average leadtime is three years. Example items include landing gear struts, fire control computers, inertial navigation units, and engine turbine wheels. This program finances AFSF exempt investment spares and repair parts needed to provide spares support for all aircraft and support equipment. Investment items are distinguished from expendable items in that investment items are subject

2) funding for non-stocklisted items supporting contractor logistics support (CLS) systems moved to appropriation 3400 (O&M). programs, i.e., DARP and COMPASS CALL. These items are not managed by the Standard Base Supply System (SBSS), thus are exempt from the stock fund concept. During the 98 BES two initiatives changed BP 15 funding 1) cartridge actuated or propellant actuated devices (CAD/PAD)--items for aircraft ejection systems--transferred to appropriation 3011, BP 35, and The only replenishment spares funds remaining in this central procurement account are for spares in support of classified

# Program Definition: Aircraft Initial Spares (Budget Program 160000):

This program finances whole spare engines and modules and reparable investment items including some items being newly introduced to the AFSMBA (DBOF) will be reimbursed by this central procurement account as the funds actually outlay. The effect of this change was a shift of funds to the right which may give the appearance of ramping requirements. However, it is important to note that this means that the funds Air Force Inventory. Beginning in FY94, most initial spares were procured through the AFSMBA (DBOF). As the funds are expended, the budgeted in FY95 and FY96 for example largely represent the payments for obligations already incurred by the DBOF but is really a shift in financing strategy. Initial spares are funded in the four program segments described on the attached page.



DD FORM 2454





# AIRCRAFT PROCUREMENT, AF (3010)/BA06 (Continued)

Initial Weapon System Spares. (Budget Program 161000)

This program finances whole spare engines and engine modules, aircraft spares, and peculiar ground support equipment spares to support initial operations of new aircraft.

Common Ground Support Equipment (GSE) Spares. (163000)

This program finances spares required to support new or replacement aircraft common support equipment.

Aircraft Modification Spares. (Budget Program 164000)

This program finances new spare parts needed during the initial operation of modified airborne systems.

Other Production Spares. (Budget Program 169000)

This program finances spare parts introduced to the inventory for the first time in support of other production charges - BP1900 (e.g. spares for electronic countermeasure pods and special classified systems).

#### FY97 Program Justification:

The FY97 total aircraft spares request decreased primarily due to rephasing of initial spares based on revised delivery pattern. The C-17, E-8, B-2 and aircraft modification programs continue to make up the bulk of the budget request.

	<u>2003</u>	16 104.481		•			55 20.091	12 690.234	18 794.715
	2002	84.816		393.30	27.09	92.03	21.005	533.442	618.258
	2001	63.420		374.927	27.503	103.822	38.681	544.933	608.353
	2000	62.488		393.872	15.762	72.761	19.986	502.381	564.869
	1999	62.127		269.235	15.524	66.468	18.362	369.589	431.716
	1998	60.120		191.779	12.697	67.534	17.880	289.890	350.01
	1997	97.742		49.119	1.956	11.199	10.630	72.904	170.646
	1996	146.170		268.653	3.096	115.455	8.116	395.320	541.490
Funding Summary:		REPLENISHMENT SPARES	INITIAL SPARES	INITIAL WEAPON SYS SPARES	COMMON GSE SPARES	MODIFICATION SPARES	OTHER PRODUCTION SPARES	TOTAL INITIAL SPARES	TOTAL SPARES & REPAIR PARTS

	REPLENISHMENT SPARES FUNDING SUMMARY AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	SUMMARY FACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
1	CLS SYSTEMS/TRAINERS	47.204	36.209	0.000	0.000
2	CLASSIFIED PROGRAMS	787.77	50.804	60.120	62.127
3	CAD/PAD	21.179	10.729	0.000	0.000
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	TOTAL REPLENISHMENT SPARES	146.170	97.742	60.120	62.127

,	REPLENISHMENT SPARES FUNDING AIRCRAFT PROCUREMENT, BUDGE	FUNDING SUMMARY , BUDGET ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
	CLS SYSTEMS/TRAINERS SPARES:				
1	KC-10A	13.914	8.022	0.000	0.000
2	TAC SYSTEMS/SIMULATORS	0.602	0.665	0000	0.000
3	SPECIAL MISSION AIRCRAFT	7.703	4.350	0.000	0.000
4	OPS SUPPORT AIRCRAFT	2.383	1.368	0.000	0.000
æ	NAVIGATION TRAINERS	0.807	0.461	0.000	0.000
9	NEACP OPERATIONS	4.330	3.099	0.000	0.000
7	F-117	16.366	17.616	0.000	0000
&	SOUTHCOM SHORT TAKEOFF LANDING (STOL)	1.099	0.628	0.000	0.000
	TOTAL CLS REPLEN SPARES	47.204	36.209	0	0

	REPLENISHMENT SPARES FUNDING SUMMARY AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	NDING SUMMARY UDGET ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
	CLASSIFIED SYSTEM SPARES:				
H	COMPASS CALL (RIVET FIRE)	17.568	1.273	5.867	6.325
2	SPECIAL RECON	2.911	1.831	0.000	0.000
3	CENTCOM	1.578	1.299	0.000	0.000
4	DARO	55.136	46.401	54.253	55.802
2	MANNED DESTRUCTIVE SUPRESSION	0.594	0.000	0.000	0.000
	TOTAL CLASS REPLEN SPARES	787.77	50.804	60.120	62.127

ı	REPLENISHMENT SPARES FUNDING SUMMARY AIRCRAFT PROCUREMENT, BUDGET ACTIVITY	UNDING SUMMARY BUDGET ACTIVITY 06			DATE FEB 1997	
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999	
	MUNITIONS CODE ITEMS SPARES:					
T						
	CAD/PAD	21.179	10.729	0		0
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	TOTAL MUNITIONS REPLEN SPARES	21.179	10.729	0		0

	INITIAL SPARES FUNDING AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	G T ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
1	WEAPON SYSTEM SPARES	268.653	49.119	191.779	269,235
2	SUPPORT EQUIPMENT SPARES	3.096	1.956	12.697	15.524
က	MODIFICATION SPARES	115.455	11.199	67.534	66,468
4	OTHER PRODUCTION SPARES	8.116	10.630		18.362
	TOTAL INITIAL SPARES	395.320	72.904	289.890	369.589

PAGE 1 OF 2 EXHIBIT P-18A | | | | | |

**DD FORMS 2442-1** 

	INITIAL SPARES FUNDING AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	G T ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
<b></b>	F-16	7.923	0	0	0
2	C-130	8.412	6.050	0.746	0
က	E-8	68.753	0	34.558	94.452
4	C-17	79.985	4.358	88.800	121.581
જ	B-2	80.954	34.950	67.675	27.207
9	NEW AETC AIRCRAFT	21.226	0	0	0
7	F-22	0	0	0	25.995
<b>&amp;</b>	C-20	1.400	3.761	0	0
6	SUPPORT EQUIPMENT SPARES	3.096	1.956	12.697	15.524
10	MODIFICATION SPARES	115.455	11.199	67.534	66.468
11	OTHER PRODUCTION SPARES	8.116	10.630	17.880	18.362
	TOTAL INITIAL SPARES	395,320	72.904	289.890	369.589

# FY 98/99 PRESIDENT'S BUDGET BP12 COMMON SUPPORT EQUIPMENT FEBRUARY 1997

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FY BUD (BP)	FY 98/99 BUDGET ESTIMATE SUBMISSION BUDGET ACTIVITY 07 (DOLLARS IN MILLIONS) (BP 12) COMMON SUPPORT EQUIPMENT (CSE) FEBRUARY 1997	SION LIONS) (CSE)			
			FY98	Œ	FY99
NOON	NSN	QTY	AMOUNT	αTY	<b>AMOUNT</b>
Compressor, Gas Turbine A/M32-A-95	2835-01-390-1807YZ	1	141 20.813	141	21.541
Compass Calibrator	4920-01-328-3419NT		33 2.816	0	0.000
Hydraulic Component Test Stand	4920-00-450-0553		00000 0	42	8.259
Interim Contractor Support (ICS)			2.425		1.850
Generator Test Stand	4920-01-395-4067		28 4.646	0	0.000
Stores Management Test Set	4920-01-302-1170WF		51 7.672	0	0.000
Stores Release Test Set	4920-01-302-1169WF		26 6.836	0	0.000
Air Conditioner, PD501	4120-01-167-5470		13 3.840	0	0.000
Air Conditioner, MA-3D	4120-00-998-6673		59 3.418	0	0.000
Joint Service Electronic Combat System Tester	NSL		00000 0	38	17.324
New Generation Heater	NSI.		000'0 0	1200	12.000
Truck Mounted Deicer	1730-00-555-6205		51 10.729	62	13.764
Noise Suppressor, Large Turbo Fan Engine	4920-01-082-1095		1 3.046	0	0.000
MJ-40 Lift Truck	1730-01-147-1735		33 9.871	12	3.670
Self-Generating Nitrogen Servicing System	3655-01-347-9055		2 0.750	233	16.688
Universal Maintenance Stand, Diesel, Split Deck	1730-01-370-4268		53 7.144	6	1.283
R.F. BRAT Ruggedized	4920-NC-D01-5256DQ		7 15.270	0	6.200
Radar Test Station	4920-01-413-9279DQ		5 12.103	0	6.400
MHU-110 Munitions Trailer	1740-00-403-8235		000.0	85	3.676
C-5 Empennage Stand	1730-00-158-3039		1 1.327	5	4.223
Automatic Tester	4920-01-282-4191DQ		12 3.790	0	0.000
Maintenance Platform, High Reach	1730-01-249-0097		7 4.453	0	0.000
Items Less Than \$2 Million			30.289		48.505
TOTAL			151.238		165.383

		BUDGE	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION			DATE FEBRUARY 1997	<b>1997</b>
APPROPRIA AIRCRAFT F	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMC	PPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	AT EQUIPMENT		BUDGET PI	BUDGET PROGRAM 1200 OVERVIEW	/ERVIEW	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$207.872	\$160.092	\$151.238	\$165.383	\$193.143	\$200.951	\$177.051	\$176.423

aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of A. DESCRIPTION/FUNCTION: This program procures replacement organizational and intermediate (common and peculiar) support equipment for out-ofweapon system.

B. PURPOSE OF PROCUREMENT: Items being replaced range in age from 10 to 30 years old, have frequent failures and spare parts which are no longer available or not economical to repair. Many items are technologically obsolete or are being replaced due to environmental operating constraints.

C. APPLICATION: All Air Force maintained aircraft weapon systems requiring replacement equipment.

D. REQUIREMENTS: Justification is for fiscal years 1998 and 1999. Items of equipment budgeted include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, noise suppressors, fuel servicing carts, generators, maintenance platforms and automatic test equipment.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

		BODGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION			DATE FEBRUARY 1997	Y 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY	TO HOMENIT	P-1 ITEM NOMENCLATURE Compressor, Gas Turbine A/M32A-95	ICLATURE Com	Compressor, Gas Turbine ASSN: 2835-01-390-1807YZ	ine A/M32A-95 7YZ	
AIRCRAFT	AIRCHAFT PROCUREMENT, COMMON SUPPORT EGGIF	COMMON SOFFO						20,50
	EV 06	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
	06 1				•	•	•	<
OUANTITY	134	194	141	141	>	0	0	0
						***	4	6
COST (In Mil)	\$17.327	\$26.949	\$20,813	\$21.541	\$0	80	90	Q P
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	110:							

A. DESCRIPTION/FUNCTION: The A/M32A-95 Gas Turbine Compressor, also known as the Large Aircraft Start System (LASS), is a towable, four-wheeled system. The LASS is used to furnish pneumatic pressure/power for ground support of aircraft systems. Its primary mission is to start engines for a variety of aircraft. This is accomplished via a delivery hose which connects to the aircraft's engine(s) and provides compressed air for starting and performing other chassis mounted trailer. It consists of an enclosure assembly which houses a turbine engine, fuel, electrical, and lubrication system, and an air delivery functions that require large volumes of compressed air. The LASS is 116"X 62"X 68" and weighs 3000 pounds.

increased without a corresponding growth in starting unit capacity/capability. The MA-1A only provides 90 pounds of air at 45 pounds per square inch actual (PSIA) as compared to the LASS's 150 pounds at 48 PSIA. The LASS will use a GTC85-180 series 6 Garrett engine versus the MA-1A's GTC85-70A engine; the new technology via control of fuel flow on demand will provide a cost savings in terms of fuel use efficiency. Unlike the MA-1A, which ran at 100 percent adequate output to support engines in use at that time. During the intervening years, the size and air requirements of aircraft engines and accessories have B. PURPOSE OF PROCUREMENT: The MA-1A Air Start Carts currently in use in the inventory were designed in the 1955-1957 time frame and provided from start, the LASS will start and run at 40 percent and respond/operate at 100 percent when the bleed air valve is opened.

C. APPLICATION: This unit supports all aircraft having air start capability, including the B-52, C-5, C-17, C-130, C-135, C-141, E-3, E-4 and T-38.

D. REQUIREMENTS: FY98 - 141 shortages

FY99 - 4 shortages, 137 replacements

E. IMPACT: The MA-1A currently in use does not provide an adequate output of air which is required for the start of the newer generation of aircraft engines. In addition, the increasing age and shortage of parts to repair the MA-1A further necessitates the procurement of the LASS as a replacement. Failure to fund the LASS would result in the loss of large aircraft engine start capability.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY97:

QTY/DOLLARS 28/\$3.889

QTY/DOLLARS 13/\$1.806 AFR

PAGE NO.

P-1 SHOPP LIST ITEM NO. 8

BUDGE	BUDGET PROCUREMENT HI	INT HISTORY PLA	ISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IPMENT		C. P-1 ITE	M NOMEN A/N	CLATURE C	C. P-1 ITEM NOMENCLATURE COMPRESSOR, GAS TURBINE A/M32A-95 NSN: 2835-01-390-1807YZ	R, GAS 90-1807	TURBIN	1,1
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
:										
FY96	LIBBY INT KANSAS CITY, MO	OPTION	AFMC/SA-ALC	MAR 96	AUG 97	134	129,302			
FY97	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 96	APR 98	194	138,910	YES	2	
FY98	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 97	FEB 99	141	146,723	YES	2	
FY99	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 98	SEP 99	141	152,774	YES	<u>Q</u>	
<del></del>										<b>2004</b>

# D. REMARKS • UNIT COSTS BASED ON OPTIONS TO A FY94 CONTRACT FOR YEARS AND QUANTITIES BEING PROCURED. COST INCLUDES A 12% ENGINE COST INCREASE FOR A MODIFICATION (ENVIORNMENTAL).

Exhibit P-5a Procurement History and Planning	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

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Page 1 of 2 Pages Exhibit P-21 Production Schedule

FY98/99 BUDGET PROD	OUCTIO	58		4	a.	P-1 ITEM NOMENC	Ž	OME	NC.	Ψ	끭	Ś	<b>IPRE</b>	SSC	H, G	,AS	Ę	3NE	Ş	LATURE: COMPRESSOR, GAS TURBINE, AM32A-95	-95					2	ΊĒ	DATE: FEBRUARY 1997	Ę.	₩.	286	l		1		i					
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ATURE: COMPRESSOR, GAS TURBINE, AM32A-95			SCT										0	000	ш	MANUFACTURING TOTAL AFTER 1			
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 2 of 2 Pages Exhibit P-21 Production Schedule  $\mid Z \mid \mathcal{G} \mid$ 

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#### REQUIREMENTS STUDY UNCLASSIFIED

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	AIRCRAFT PROCUREMENT, COMMON SUPPORT	
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APPROPRIATION / BUDGET ACTIVITY:	NO OM	
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#### EQUIPMENT ASSETS

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds TOTAL ASSETS:

## USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date: FY00: FY99:

FY01: FY02:

PROCUREMENT LEADTIME: 16 months TOTAL DISPOSALS (\_51 MONTHS)

**NET ASSETS:** 

### **ACTUAL TRAINING EXPENDITURE**

**FY98 FY96 FY95 FY97** 

**FY94** 

## **ACTUAL OTHER THAN TRAINING EXPENDITURE**

**FY98 FY96** FY95 **FY97** 

DATE: FEBRUARY 1997 P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE NSN: 2835-01-390-1807YZ

#### INVENTORY OBJECTIVE

944 275	Number of Combat Loads Assets Required for Combat Loads Combat Expenditures	
1437	War Reserve Requirement Annual Training	29
15	Annual Testing Maintenance Pipeline Air Force Requirement	
13 B	Air National Guard Requirement Air Force Reserve Requirement	367
273	TOTAL REQUIREMENT	1446
3	APPROVED ACQUISITION OBJECTIVE	1446
<u>\$</u>	PROCUREMENT REQUIREMENT Total FY98 Requirement	1446
	Less Net Assets	1164

#### Less Net Assets

Required FY98 Procurement Planned FY98 Procurement

282 141

1446 1164

141 <del>1</del>

Fotal FY99 Requirement

Less FY98 Planned Procurement ess Net Assets

Required FY99 Procurement

Planned FY99 Procurement REMARKS:

UNCLASSIFIED ITEM NO. 63

P-1 SHOPP LIST

Exhibit P-20 Requirements Study

		BODB	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DATE: FEBRUARY 1997	ARY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	HIVITY		P-1 ITEM NOMENCI ATURE Compass Calibrator MC 3000	ICI ATIIRE Com	nace Calibrator M	2000	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	COMMON SUPPO	ENT		NSN	NSN: 4920-01-328-3419NT	19NT	
	FY 96	FY 97	FY 98	FY 99	FY 69	EV 04	EV 23	20 72
QUANTITY	7.0						L 1 02	21 22
	1,5	0	33	0	<b>၁</b>	0	0	_
COST (In Mil)	\$6.049	<b>\$</b>	\$2.816	\$0	0\$	<b>Q</b>	S S	Ş
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A. DESCRIPTION/FUNCTION: The MC-2000 Compass Calibrator Set is used to perform magnetic compass system alignment when a compass system is installed or one of its components is replaced on an aircraft. The compass system provides primary heading information to aircraft flight instruments used for aircraft navigation.

Compass Rose. A Compass Rose is physically embossed onto a remote area of the maintenance ramp and is used to align the aircraft axis to the magnetic headings required to calibrate the compass. The MC-2000 also automatically compensates for changing magnetic fields and it will reduce time required to complete compass B. PURPOSE OF PROCUREMENT: The MC-2000 is compatible with the current state-of-the-art compass systems whereas existing calibrators are not compatible. Calibrators will increase mission readiness due to shorter aircraft servicing time, is a fully supportable/maintainable system and eliminates the requirement for a Existing calibrators are 1960s technology and have low reliability. The MC-2000 set reduces calibration time by at least fifty percent. The MC-2000 Compass swings, reduce training requirements and reduce the size and complexity of the calibrator hardware.

C. APPLICATION: Multiple aircraft

D. REQUIREMENTS: FY98 - 33 shortages

and mobility aircraft where older calibrators are not adequate for compass calibration/alignment. Current systems are unreliable. Depot repair is increasingly difficult due E. IMPACT: Without the MC-2000 Compass Calibrator, there will be no capability to calibrate compass systems on SOF aircraft, the B-1B and other strategic, tactical to obsolete parts and increasing negative response from vendors for new procurement and/or repair. Without calibration support, aircraft will be grounded.

F. TYPE ITEM CODE: A

QTY/DOLLARS ANG 15/\$.981 FY96 FY98 G. ANG/AFR:

20/\$1.328

QTY/DOLLARS 13/\$.850 3/\$.199

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PAGE NO.		
P-1 SHOPP LIST	ITEM NO. 63	

	WE/	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	VALYSIS of dollars)	S EXHIE	3IT (P-5)				D. DATE Febi	ATE FEBRUARY 1997	7 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACTI	VITV	B. WEAPON		JSERIES/ TOR MC-	/ POPUL 2000	MODEL/SERIES/ POPULAR NAME ALIBRATOR MC-2000	01	C. MANUFA LOCATION	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMMO	NO	NSN: 4	NSN: 4920-01-328-3419NT	419NT			<u> </u>	HONEYWELL ALBUQUERQ	HONEYWELL ALBUQUERQUE, NM			
Weapon System Cost Elements	IDENT		FY 96	92		FY 97			FY 98	8		FY 99	
		QTY	UNIT	TOTAL COST	ΩTY	UNIT	TOTAL COST	αту	UNIT	TOTAL COST	QTY	UNIT	TOTAL COST

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div cosi idial cosi div cosi idial cosi	2.191	\$2.816	
COS	66,400		
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101AL COST	0\$	\$	
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TOTAL COST	4.707	\$6.049	
COST	65,375	.,	
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	COMPASS CALIBRATOR WARRANTY	TOTAL	

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P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

350NB	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY	PLANNING	EXHIBIT	. (P-5A)			A. DATE	ш	
	))	(Cost in thousands of dollars)	f dollars)					FEBI	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITI	EM NOMEN	C. P-1 ITEM NOMENCLATURE COMPASS CALIBRATOR MC-2000	OMPASS C	ALIBRAT	OR MC-	000
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	AON SUPPORT EQU	JIPMENT		NSN: 49	NSN: 4920-01-328-3419NT	419NT				
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACT CONTRACTED AWARD DATE OF QUANTITY	AWARD	DATE OF	QUANTITY	UNIT	SPECS	SPECS SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	В	DATE	FIRST		COST	AVAIL	REV	WHEN
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FY96	HONEYWELL	SS/FFP	AFMC/OC-ALC	AUG 96	AUG 97	72	65,375				
FY98	HONEYWELL	SS/FFP	AFMC/OC-ALC	AUG 98	AUG 99	33	66,400 YES	YES	2		
	ALBUQUERQUE, NM										

D. REMARKS
UNIT COSTS FOR FY 96/98 ARE BASED ON A FY92 CONTRACT INFLATED.

Exhibit P-5a Procurement History and Planning	
PAGE NO.	
P-1 SHOPP LIST PAGE NO. ITEM NO. 63	

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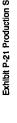
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 2 of 2 Pages Exhibit P-21 Production Schedule



#### REQUIREMENTS STUDY

# DATE: FEBRUARY 1997

# P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000

NSN: 4920-01-328-3419NT

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS:
DISPOSALS (Planned & Projected thru FY97 FDP) FY97 since as of date: FY98:
FY00: FY01: FY01: TOTAL DISPOSALS (40 MONTHS) PROCUREMENT LEADTIME: 14 months
NET ASSETS:
ACTUAL TRAINING EXPENDITURE - NA FY97
FY95 FY94 FY93
ACTUAL OTHER THAN TRAINING EXPENDITURE

#### 135 168 168 8 8 APPROVED ACQUISITION OBJECTIVE Assets Required for Combat Loads Air National Guard Requirement Air Force Reserve Requirement PROCUREMENT REQUIREMENT Required FY98 Procurement Planned FY98 Procurement Number of Combat Loads War Reserve Requirement **Total FY98 Requirement NVENTORY OBJECTIVE** Air Force Requirement Maintenance Pipeline Combat Expenditures TOTAL REQUIREMENT Annual Training Annual Testing Less Net Assets 135

UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

REMARKS:

FY96 FY95 FY94 FY93

FY97

PAGE NO. 1 OF 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	P-1 ITEM NOMENCLATURE Test Stand, Hydraulic Component NSN: 4920-00-450-0553	8	2 0 42 84 76 0 0	188 \$0 \$8.259 \$16.365 \$15.120 \$0 \$0
BUDGET ITEM JU (EXHIBIT I	N SUPPORT EQUIP	FY97 FY98	2 0	\$1.188
	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMO	FY96	0	\$0
	APPROPRIATE AIRCRAFT F		QUANTITY	COST (In Mil)

A. DESCRIPTION/FUNCTION: The Hydraulic Component Test Stand is comprised of two sections. The first section is the drive console which houses a drive controls, indicators, and ports used during test stand operation. The stand is used to check serviceability of aircraft components prior to installation, pressure panel, pump mounting pad, and skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing check locally manufactured hoses, and test repaired aircraft hydraulic components.

B. PURPOSE OF PROCUREMENT: Current test stands will have exceeded their service life by 5 to 10 years at the beginning of production deliveries. Most are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft

D. REQUIREMENTS: FY97 - 2 (First Articles)

FY98 - 0

FY99 - 12 shortages, 30 replacements

exceed these limits soon. Lack of proper hydraulic testing could result in possible failure of aircraft components, damage to equipment and aircraft as well as system due to obsolescence. The newer aircraft in the inventory have hydraulic pressure requirements in the upper limits of the current stands and may well expenditures because of decreasing mean-time-between failure (MTBF). Current stands have many parts that are no longer available through the supply E. IMPACT: Failure to procure this Hydraulic Component Test Stand will result in the continued costly repair of old, worn out units, and high manhour the loss of aircraft and aircrew lives.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY99:

ANG QTY/DOLLARS 18/\$3.414

AFR QTY/DOLLARS 6/\$1.138

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P-1 SHOPP LIST PA(	63
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	WE,	APON SY	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (Cost in thousands of dollars)	MALYSIS of dollars)	S EXHIE	3IT (P-5)				D. DATE Feb	ATE FEBRUARY 1997	7 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACTI		B. WEAPON	APON MODEL	/SERIES	/ POPUL	MODEL/SERIES/ POPULAR NAME	υ <u>π</u>	C. MANUFA	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
			TEST S	<b>TEST STAND, HYDR</b>	HYDRAULIC COMPONENT	<b>SMPONE</b>	K						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMM	ON	NSN: 4	NSN: 4920-00-450-0553	553			5	UNKNOWN	N.			
Weapon System Cost Elements	IDENT		FY 96	96		FY 97			FY 98			FY 99	_
		ατγ	COST	TOTAL COST	ΩTY	UNIT	TOTAL COST	ΩTY	UNIT	TOTAL COST	QTY	UNIT	TOTAL COST

TEST STAND, HYDRAULIC COM   A	⋖	•	0	Ø	261,250	.523	0		0	42	183,696	7.715
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Exhibit P-5 Weapon System Cost Analysis	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	INT HISTORY PLAI	ISTORY PLANNING EXH	ЕХНІВІТ	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	JIPMENT		C. P-1 ITE COMPON	EM NOMEN	C. P-1 ITEM NOMENCLATURE TEST S COMPONENT NSN: 4920-00-450-0553	C. P-1 ITEM NOMENCLATURE TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553	HYDRA	ULIC	
Cost ElemenV FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY97 FY99	UNKNOWN	C/FFP OPTION	AFMC/SA-ALC AFMC/SA-ALC	AUG 97 FEB 99	MAY 02 OCT 99	62 4	261,250	YES	0 0 0 0	

D. REMARKS
FY97 unit cost for First Article's based on FY95 engineer estimate.
FY97 unit cost based on FY96 engineer estimate plus contractor incentive.
2 each First Articles to be retained by manufacturer as production models and delivered as the last production units.

UNCLASSIFIED P-1 SHOPP LIST ITEM NO. 63

139

**Exhibit P-5a Procurement History and Planning** 

PAGE NO.

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 2 of 2 Pages
Exhibit P-21 Production Schedule

TOTAL

FY99 (C-130H) FY99 (F-16)

FY99

FY99 (E-8)

FY97 FY99

## REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: HYD COMPONENT TEST STAND

NSN: 4920-00-450-0553

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2	RCRAFT
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APPROPRIATION / BUDGET ACTIVITY ARCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY98 Funds TOTAL ASSETS:

Disposals (Planned & Projected thru FY99 FDP)
FY98 since as of date:
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FOTAL DISPOSALS (49 MONTHS)
PROCUREMENT LEADTIME: 9 months
NET ASSETS:
ACTUAL TRAINING EXPENDITURE - NA
86A-

<b>ACTUAL TRAINING EXPENDITURE - NA</b>						
<b>ACTUAL TRAIN</b>	FY98	FY97	FY96	FY95	FY94	

REMARKS:

	122	247	247 201 46	
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training	Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement	IOIAL REGUIREMENT  APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY99 Requirement Less Net Assets Required FY99 Procurement Planned FY99 Procurement	
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UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

PAGE NO. 1 OF 1

		BUDGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION 3IT P-40)			DATE FEBRUARY 1997	RY 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCLIREMENT, COMMON SUPPORT FOULD	TIVITY SUPPO	RT EQUIPMENT	P-1 ITEM NOMENCLATURE Interim Contractor Support (ICS)	ICLATURE Interin	n Contractor Supp	oort (ICS)	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$1.948	\$2.000	\$2.425	\$1.850	\$.898	\$.925	\$.839	\$.839

- A. DESCRIPTION/FUNCTION: Interim Contractor Support (ICS) is a pre-planned, temporary support alternative for the initial period of operational use of new operational tempo, reliability and maintainability factors and past/projected failure rates. ICS incorporates non-recurring investment costs such as repair parts U. S. Air Force weapon systems, equipment or modifications for which eventual organic support is planned. With ICS a contractor provides repair based on procurement, technical data and support equipment.
- B. PURPOSE OF PROCUREMENT: ICS is designed to provide a bridge from an acquisition process to an Air Force self-sustaining program. It allows time for support equipment development/delivery, training and training equipment development/delivery, technical data development/validation and spares identification/delivery.
- C. APPLICATION: Common support equipment ICS funding supports the B-1B, B-52, C-5, C-17, C-130, E-3, F-16, F-15, and KC-135 aircraft. These requirements include all those not identified through other FY98/99 P-series documentation.

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P-1 SHOPP LIST ITEM NO. 63	

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		QTY	COST	TOTAL COST	ατγ	COST	TOTAL COST	o_ Z	COST	TOTAL COST	Δ	COST	TOTAL COST

1. Digital Data Control Module	257			
2. AN/USM-639 Test Set	495	495		
3. Transmitter Test Set	150	150	150	150
4. Pacer Comet III	268	 268		
5. F-15 Elect Syst Test Set		641	1,725	006
6. E-3 Elect Syst Test Set		296	220	800
7. Engine Test/Trim Auto	498			
8. Radar Test Station	280	150		
TOTAL	1.948	2.000	2,425	1.850

Exhibit P-5 Weapon System Cost Analysis	
PAGE NO.	INICI ACCIEIED
P-1 SHOPP LIST ITEM NO. 63	

		BUDGET IT (EX	品出	JUSTIFICATION 3IT P-40)			DATE: FEBRUARY 1997	UARY 1997
APPROPRIA'	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOME	<b>VCLATURE GENI</b>	P-1 ITEM NOMENCLATURE GENERATOR TEST STAND	DNA	
AIRCRAFT I	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPA	COMMON SUPPO	RT EQUIPMENT			NSN: 4920-01-395-4067	95-4067	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	1	28	0	0	0	0	0
COST (In Mil)	\$0	\$0.157	\$4.646	\$0	\$0	0\$	\$0	\$0

drives and aircraft generators. The MC-3 allows for interchangeability with mechanical adapter hardware presently in use with the MC-2 Generator Test Stand. The basic speed range is from 0 to 14,400 RPM, allowing plenty of high speed range for generator tests. The stand is capable of producing 100 horse power A. DESCRIPTION/FUNCTION: The MC-3 Generator Test stand is used to test aircraft electrical generating system components. The MC-3 consists of two distinct components; the test stand and the separate load bank mounted on a rugged unitized base, with forklift channels, and skidding and lifting provisions. continuous; 150 horse power intermittent is available from 4200 to 12,000 RPM, an ideal speed range to permit the test of a wide range of constant speed

which have become increasingly more numerous due to the high failure rate of current systems. This has resulted in a corresponding decrease in the overall B: PURPOSE OF PROCUREMENT: This procurement is a total replacement program for existing MC-2 stands which are obsolete, no longer procurable, technologically deficient, and have exceeded their estimated service life. The only means of maintenance support for the stands is cannibalization actions number of serviceable systems available for use.

C: APPLICATION: Multiple large and fighter aircraft

D: REQUIREMENTS: FY97: 1 Replacement

FY98: 28 Replacements

E: IMPACT: Without the Generator Test Stand procurement, the ability to test aircraft electrical systems will rapidly decrease with an adverse effect on mission readiness. The MC-3 is the only test stand available that meets the Air Force's needs in the field.

F. TYPE ITEM CODE: A

G: ANG/AFR:

**FY98** 

ANG QTY/DOLLARS 8/\$1.282

AFR QTY/DOLLARS 1/\$0.160

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			Cost in thousands of dollars)	of dollars)		(c)					ATE FEBRUARY 1997	7 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	IIVITY	B. WEAPON	APON MODEL	/SERIES/	POPUL	MODEL/SERIES/ POPULAR NAME	0 1	C. MANUF/ LOCATION	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
		GENER	<b>GENERATOR TEST STAND</b>	TAND								
AIRCRAFT PROCUREMENT, COMMON	NON	NSN: 4	NSN: 4920-01-395-4067	29			<b>A</b>	VTRON	AVTRON MANUFACTURING, INC	URING, I	S S	
SUPPORT EQUIPMENT							=	OEPEN	INDEPENDENCE, OHIO	0		
Weapon System Cost LOENT									<del></del>			
Elements cone		FY 96	<b>36</b>		FY 97			FY 98	8		FY 99	
		UNIT			LINI			TIND			UNIT	
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GENERATOR TEST STAND TECHNICAL DATA	∢ ∢	0	 0 0	-	157,000	157	 160,000	4,486	0	0 0	
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TOTAL:						.157		4.646		0	

	P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTORY	PLANNING	<b>EXHIBIT</b>	. (P-5A)			A. DATE	ш 2	100
		(Cost in thousands of dollars)	f dollars)					755	FEBRUARY 1887	188
B. APPROPRIATION/BUDGET ACTIVITY	VIT∀			C. P-11	TEM NOME	C. P-1 ITEM NOMENCLATURE GENERATOR TEST STAND	ENERATO	R TEST (	STAND	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEI	MON SUPPORT EQU	IPMENT				NSN: 4920-01-395-4067	-01-395-4(	290		
Cost Element	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	UNIT		SPEC	IF YES,
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FY98 AVTRON MFG	OPTION	AFMC/SA-ALC	MAR 98	JAN 99	78	160,200 YES	YES	S S	

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P-1 SHOPP LIST PAGE NO. ITEM NO. 63

D. REMARKS FY97/98 UNIT COST BASED ON FY95 CONTRACTOR ESTIMATE PLUS INFLATION 7 +

Exhibit P-5a Procurement History and Planning

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### **REQUIREMENTS STUDY**

#### DATE: FEBUARY 1997

P-1 ITEM NOMENCLATURE: GENERATOR TEST STAND

NSN: 4920-01-395-4067

INVENTORY OBJECTIVE

# PORT EQUIPMENT

AIRCRAFT PROCUREMENT, COMMON SUPP ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date;
FY98:
FY99;
FY00:
FY01;
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 15 months

ACTUAL TRAINING EXPENDITURE - NA	FY97	FY96	FY95	FY94	793
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**NET ASSETS:** 

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FY93 FY96 FY95 FY94

REMARKS

Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement Annual Training Annual Testing Maintenance Pipelline Air Force Requirement Air Force Requirement Air Force Reserve Requirement Air Force Reserve Requirement Air Force Reserve Requirement Cotal Fy98 Requirement Total Fy98 Requirement Less Net Assets Required Fy98 Procurement Planned Fy98 Procurement Planned Fy98 Procurement	P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED
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PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study  $_{\parallel}$   $_{\parallel}$   $_{\parallel}$   $_{\Box}$ 

		BUDGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	M JUSTIFICATION IBIT P-40)			DATE: FEBRUARY 1997	<b>1997</b>
APPROPRIA AIRCRAFT P	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY COMMON SUPPO	PMENT	P-1 ITEM NOMEN	CLATURE STOF	P-1 ITEM NOMENCLATURE STORES MANAGEMENT TEST SET NSN: 4920-01-302-1170WF	T TEST SET 2-1170WF	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	09	51	0	0	0	0	0
COST (In Mil)	\$0	\$8.827	\$7.672	0\$	\$0	0\$	0\$	0\$

A. DESCRIPTION/FUNCTION: The Stores Management Test Set is used on the F-16 C/D aircraft when a problem is identified which could prematurely release or prevent the release of a missile, bomb, or gun pod, resulting in a safety hazard to ground crew or other personnel.

from 5-15 years old. Older test sets use outdated technology, obsolete parts, require depot level modification, and cannot be reprogrammed at the field level. The new Block 50 stores management system test set uses latest technology, new redesigned components, are field level reprogrammable and can be used B: PURPOSE OF PROCUREMENT: The older model stores management test sets are used on the Block 25/30/40 F-16 C/D aircraft. The test sets range on any F-16 C/D aircraft by using a software change at the field level.

C: APPLICATION: F-16 C/D aircraft

D: REQUIREMENTS: FY97: 60 Replacements FY98: 51 Replacements

E: IMPACT: The current test sets cannot be further modified. Without additional capabilities the older test sets cannot check modifications to current systems systems. The new block 50 test sets will significantly increase weapons system checks and will provide the using organization with a means to check any new on the F-16 C/D aircraft. This inability affects the F-16 maintainability and mission support, increasing organizational level and depot level repair of weapons weapons systems used on the aircraft by reprogramming the test sets at the field level.

F: TYPE ITEM: A

G: ANG/AFR:

**FY97** 

ANG QTY/DOLLARS 44/\$6.474

AFH QTY /DOLLARS 16/\$2.407

P-1 SHOP LIST	PAGE NO.	
ITEM NO. 63		

BUDGE	BUDGET PROCUREMENT H	:NT HISTORY PLA	IISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IIPMENT		C. P-1 ITEM I TEST SET NSN: 4920-0	S. P-1 ITEM NOMENCLATU TEST SET NSN: 4920-01-302-1170WF	VCLATURE (	C. P-1 ITEM NOMENCLATURE STORES MANAGEMENT SYSTEM TEST SET NSN: 4920-01-302-1170WF	NAGEM	ENT SY	STEM
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	LOCKHEED-MARTIN	SS/FFP	AFMC/OO-ALC	AUG 94	96 NOC	09	138,135		,	
FY97 FY98	LOCKHEED-MARTIN	SS/FFP OPTION	AFMC/OO-ALC AFMC/OO-ALC	MAR 97 MAR 98	96 NOL	60	147,114	YES	<u> </u>	

	nd Planning
	Exhibit P-5a Procurement History and Planning
	PAGE NO.
	P-1 SHOPP LIST PAGE NO. ITEM NO. 63
ıflated.	
D. REMARKS Unit cost is based on the FY94 contract inflated.	
D. REMARKS Unit cost is based on	

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ITEMAME FY98  FY98  MANUFACT LOCATION	FY98/99 BUDGET PRODU	UREMENT																		TAL		MANUFACTURER'S NAME AND		LOCKHEED MARTIN FORT WORTH TX	•

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: STORES MANAGEMENT SYSTEM TEST SET NSN: 4920-01-302-1170WF

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds (See Remarks) Due-in w/FY97 Funds FOTAL ASSETS:	
DISPOSALS (Planned & Projected thru FY97 FDP)	

DISPOSALS (Planned & Projected thru FY97
177 silice de de didie: -Y98:
:66A:
:700;
:Y01:
OTAL DISPOSALS (40 MONTHS)
PROCUREMENT LEADTIME: 15 months
LET ASSETS:
ACTUAL TRAINING EXPENDITURE - NA
<i>26</i> λ-
96A:

217	293	293 242 51	
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training  Annual Testing  Maintenance Pipeline  Air Force Requirement  Air Force Requirement	TOTAL REQUIREMENT  APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT  Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
122 86 86 87 80 0	0 0 0	747	

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REMARKS:

PAGE NO. 1 OF 1

		BODGE	<b>BUDGET ITEM JUSTII</b>	JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
			<b>(EXHIBIT P-40)</b>	6				
APPROPRIA'	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOME	NCLATURE STOF	P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET	ST SET	
AIRCRAFT I	PROCUREMENT, (	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIP	RT EQUIPMENT			NSN: 4920-01-302-1169WF	2-1169WF	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	EV 03
QUANTITY	0	48	56	0	0	0	0	0
COST (In Mil)	0\$	\$12.342	\$6.836	0\$	\$0	0\$	\$0	0\$

- pylons, bomb racks, gun pods, and bomb/missile adapters. Unserviceable components are replaced and serviceable condition verified with the test set A. -++-DESCRIPTION/FUNCTION: The Stores Release Test set is a F-16 C/D tester used to identify unserviceable components in aircraft launchers, prior to reissue.
- PURPOSE OF PROCUREMENT: The block 50 Stores Release Test Set will replace the block 25/30/40 test sets which use old, out dated technology, have obsolete parts, require depot level modification, are weapons system configuration peculiar, and are not reprogrammable. The block 50 Stores Release Test Sets are externally reprogrammable, use latest technology, and can be used on all F-16 C/D weapons systems. œ.
- C: APPLICATION: F-16 C/D aircraft
- D: REQUIREMENTS: FY97: 48 Replacements FY98: 26 Replacements
- E: IMPACT: The cost to maintain the block 25/30/40 Stores Release Test Sets has become uneconomical. Maintainability of the F-16 weapon systems have become increasingly difficult using obsolete and outdated test sets. The weapons systems will require an increase in depot level/contractor repair and will be unable to support USAF missions. Older test sets are failing at higher rates, becoming increasingly more difficult to repair, and no longer reliable in determining the cause of weapons system failures.
- F: TYPE ITEM: A

G: ANG/AFR: ANG QTY/DOLLARS

24/\$6.171

**FY97** 

AFR QTY/DOLLARS 6/\$1.578

P-1 SHOP LIST PAGE NO.

BUDG	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	INT HISTORY PLA	r PLANNING	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	SUPPORT EQ	IIPMENT		C. P-1 ITE NSN: 49%	C. P-1 ITEM NOMENCLATU NSN: 4920-01-302-1169WF	CLATURE \$	C. P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET NSN: 4920-01-302-1169WF	EASE TE	ST SET	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS SPEC AVAIL REV NOW REQ'D		IF YES, WHEN AVAIL
FY94	LOCKHEED MARTIN	SS/FFP	AFMC/OO-ALC	AUG 94	OCT 96	4	241,434			

		& TYPE	,		DELIVERY			MON	NOW REQ'D AVAIL	AVAIL	
FY94	z	SS/FFP	AFMC/00-ALC	AUG 94	96 100	4	241,434				
FY97	LOCKHEED MARTIN	SS/FFP	AFMC/00-ALC	MAR 97	MAR 99	48	257,127	YES	8		
FY98	LOCKHEED MARTIN	OPTION	AFMC/00-ALC	MAR 98	MAR 00	<b>5</b> 8	262,922	YES	õ		
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D. REMARKS UNIT COST WAS BASED ON FY94 CONTRACT INFLATED.	
P-1 SHOPP LIST PAGE NO. 63	AGE NO. Exhibit P-5a Procurement History and Planning

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YEAR A OTY PRIOR DUE ¥¥ 78 26 48 Ž AF ΑF ĀF MANUFACTURER'S NAME AND LOCATION: LOCKHEED MARTIN FORT WORTH, TX TOTAL **FY94** FY97 FY98

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DATE: FEBRUARY 1997		CALENDAR YEAR 01	MARIAPR MAY JUN JUL AUG SEP OCT NOV DEC JAN	$\neg$															OCT NOV DEC JAN FEB MARA JUN JUL. AUG SEP OCT NOV DEC JAN FEB MARA RAY JUN JUL. AUG SEP OCT NOV DEC JAN FEB MARAPRIMAY JUN JUL. AUG SEP					
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FY98/99 BUDGET PRODUCTION SCHEDULE	ITEMMFG PROCUREMENT			FY97	FY98													TOTAL		MANUFACTURER'S NAME AND		LOCKHEED MARTIN FORT WORTH, TX	•	

P.1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

## **REQUIREMENTS STUDY**

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: STORES RELEASE TEST SET NSN: 4920-01-302-1169WF

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<b>APPROPRIATION</b>	T PROCUREMENT
APPRO	AIRCRAFI

AFFROFRIALION / BUDGET ACTIVALED ALL	ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS:
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Disposals (Planned & Projected thru FY97 FDP)
FY97 since as of date:
FY98:
FY99;
FY00;
FY01;
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 24 months

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
REMARKS:

	149	149 123 26	
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training  Annual Testing  Maintenance Pipeline  Air Force Requirement  Air National Guard Requirement	Air Force Reserve Requirement TC:TAL REQUIREMENT APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
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PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study  $\, \mid \, 5 \, 9 \,$ 

		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	A JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	₹¥ 1997
APPROPRIA AIRCRAFT F	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY COMMON SUPPO	NRT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE AIR	P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501 DIESEL NSN: 4120-01-167-5470	501 DIESEL )	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	34	0	13	0	0	0	0	0
COST (In Mil)	\$8.173	\$0	\$3.840	\$0	0\$	\$0	\$0	\$0

1,2000,000 BTU/HRS. It provides air via 5 individually controllable outlets at temperatures ranging from 45 to 100 degrees Fahrenheit. Flow rates and maximum outlet pressures of 390 pounds per minute (PPM) at 2.0 pounds per square inch gauged (PSIG), 300 PPM/1.5PSIG, or 220 PPM/3.0PSIG can be selected. It is designed to operate in temperatures from -40 to +115 degrees (F) and provide cooling/heating for electronic equipment during ground checkout A. DESCRIPTION/FUNCTION: The PD501D Air Conditioner is a diesel engine driven, vapor cycle, trailer mounted unit with a nominal cooling capacity of and maintenance checks of avionics systems on the B-1B, MC-130H and AC-130U aircraft.

B. PURPOSE OF PROCUREMENT: FY98 will procure initial B-1B shortages.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 13 shortages

failure of vital electronic components due to overheating during ground check-out and maintenance. Failure of any of these systems will seriously impair the E. IMPACT: Failure to support this procurement will result in inadequate support of the B-1B aircraft. Lack of the PD501 Air Conditioner could cause the mission capability of the B-1B aircraft.

F. TYPE ITEM CODE: A

G. ANG/AFR:

**FY98** 

ANG QTY/DOLLARS 13/\$3.840

AFR QTY/DOLLARS

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BUDGE	<b>BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)</b>	NT HISTOR	Y PLANNING	EXHIBIT	(P-5A)			A. DATE		
	))	(Cost in thousands of dollars)	of dollars)					FEB	<b>-EBRUARY 1997</b>	266
B. APPROPRIATION/BUDGET ACTIVITY				ري. 1-1	TEM NOME	C. P-1 ITEM NOMENCLATURE AIR CONDITIONER PD501 DIESE!	IR CONDIT	ONFR	2D501 D	ESFI
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	MON SUPPORT EQL	IIPMENT				NSN: 4120-01-167-5470	-01-167-54	0		
Cost Element	CONTRACTOR/	CONTRACT	CONTRACTED AWARD DATE OF	AWARD	DATE OF	١٥	UNIT	SPECS	SPECS   SPEC   IF YES.	IF YES.
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	Æ	WHEN
		& TYPE			DELIVERY				REQ'D	AVAIL
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FY96	Engineering Air	*NOITEC	AFMC/SA-ALC   NOV OF   OCT 07	NOV OF	TOT 1	- 76	100.010		_	

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FY96	Engineering Air	OPTION*	AFMC/SA-ALC	NOV 95	OCT 97	34	240,384		****		
FY98	EAS	OPTION*	AFMC/SA-ALC	NOV 97	DEC 98	£	295,366 YES	YES	S S		

D. REMARKS

\* Options to FY90 C/FFP contract. Unit cost based on a Jun 96 modification establishing revised target prices.

Exhibit P-5a Procurement History and Planning P-1 SHOPP LIST PAGE NO. ITEM NO. 63

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

## **REQUIREMENTS STUDY**

DATE: FEBRUARY 1997

# APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501 DIESEL NSN: 4120-01-167-5470

ARCRAFT PROCUREMENT, COMMON SUPPO ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds TOTAL ASSETS.
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DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date:
FV98;
FV99;
FY00;
FY01;
TOTAL DISPOSALS (37 months)
PROCUREMENT LEADTIME: 14 months

ACTUAL TRAINING EXPENDITURE - NA					
ACTUAL TR	FY97	FY96	FY95	FY94	FY93

**NET ASSETS:** 

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
REMARKS:

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INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training	Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement	APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets	Required FY98 Procurement Planned FY98 Procurement			
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study +6.5

		BODG	BUDGET ITEM JUSTI	M JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
			<b>(EXHIBIT P-40)</b>	0)				
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOME	P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D	CONDITIONER MA	-3D	
AIRCRAFT !	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	COMMON SUPPO	RT EQUIPMENT		NSN	NSN: 4120-00-998-6673	73	
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	255	0	59	0	0	0	0	0
COST (In Mil)	\$12.667	0\$	\$3.418	0\$	0\$	\$0	0\$	0\$

- DESCRIPTION/FUNCTION: The MA-3D is a diesel engine driven, all weather vapor cycle, trailer mounted, self-contained air conditioner with a nominal cooling capacity of 130,000 BTU/HRS (20 tons). It is designed to provide cooling for electronic equipment during ground check-out and maintenance of avionics by organizational and depot personnel. ď
- in use contain CFCs which have been found harmful to the earth's ozone layer. The replacement air conditioners will comply with the Montreal Protocol on PURPOSE OF PROCUREMENT: This procurement program will replace all existing assets containing Chlorofluorocarbons (CFCs). Older units currently substances that deplete the ozone layer and the Clean Air Act of 1990 which requires the elimination of all R-12 (CFC) refrigerant. œ
- C. APPLICATION: Multiple Aircraft
- D. REQUIREMENTS: FY98 13 shortages, 46 replacements
- E. TYPE ITEM CODE: A
- IMPACT: This air conditioner is crucial for flightline use in preventing damage to costly electronic systems due to overheating, and avoiding a health hazard for technicians performing the required maintenance. ᅶ

G. ANG/AFR: ANG QTY/DOLLARS QTY/

FY98:

QTY/DOLLARS 0/\$0

PAGE NO. P-1 SHOPP LIST ITEM NO. 63

BUDGE	BUDGET PROCUREMENT HI	NT HISTORY	<b>IISTORY PLANNING EXHIBIT (P-5A)</b>	EXHIBIT	(P-5A)			A. DATE		
		(Cost in thousands of dollars)	f dollars)		•			FEBE	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IPMENT		C. P-1 IT NSN: 41	P-1 ITEM NOMENCLA NSN: 4120-00-998-6673	C. P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D NSN: 4120-00-998-6673	AIR CONDIT	IONER M	A-3D	
Cost ElemenV FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED AWARD DATE OF QUANTITY  BY DATE FIRST  DEI WEDY	AWARD DATE	DATE OF FIRST	QUANTITY	UNIT	SPECS SPEC AVAIL REV		IF YES, WHEN
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OPTION\*

Engineering Air Systems, St Louis, Mo EAS

FY96 FY98

AFMC/SA-ALC NOV 97

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P-1 SHOPP LIST PAGE NO. ITEM NO. 63

Exhibit P-5a Procurement History and Planning

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## **REQUIREMENTS STUDY**

## DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: AIR CONDITIONER MA-3D NSN: 4120-00-998-6673

# APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

DISPOSALS (Planned & Projected thru FY98 FDP) FY97 since as of date: FY98: FY99:
FY00: FY01:
TOTAL DISPOSALS (27 MONTHS) PROCUREMENT LEADTIME: 7 months

NET ASSETS:	ACTUAL TRAINING EXPENDITURE - NA					
NET A	ACTU/	FY97	FY96	FY95	FY94	FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE FY97 FY96 FY95 FY94 FY93 FY93	NEW CAR	
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INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Taining Annual Testing Maintenance Pipeline Air Force Requirement Air Force Requirement Air Force Reserve Requirement	APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement
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PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study  $\mid 6 \ /$ 

A. DESCRIPTION/FUNCTION: The Joint Service Electronic Combat System Tester (JSECST) is a flight line end-to-end (ETE) electronic combat system test set capable of verifying electronic combat systems status and assists in providing EC system malfunction diagnostics for the Air Force and the Navy. The JSECST will replace the Navy USM 406C/D, augment the Navy USM 482A and fill a void in current Air Force electronic combat systems testing capability.

B. PURPOSE OF PROCUREMENT: The need for a flightline test capability for EC systems was developed under Combat Air Force 325-92, Joint Combat Air Force-Naval Air Systems Command Mission Need Statement for a flight line Electronic Combat Systems Tester, dated 6 Jan 93. FY99 begins a procurement program to satisfy initial shortages.

C. APPLICATION: Multiple fighter and C-130E/H, HC-130 P/N aircraft

). REQUIREMENTS: FY99 - 38 shortages

E. IMPACT: Introduction of a flightline EC system tester for combat aircraft is the highest organizational level priority within the Naval Air Systems Command's (NASC) Aviation Support Equipment Program Office and a top priority in the USAF Combat Air Forces (CAF). Failure to procure the JSECST will leave field level units incapable of electronic combat test capability.

F. TYPE ITEM: A

G. ANG/AFR: N/A

H. FY98/99 Air Force RDT&E funding is \$9.528M and \$5.975M respectively. Reference Program Element 64270 of the Air Force Descriptive Summaries.

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	WE,	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	ANALYSIS EXHIBIT	EXHIE	SIT (P-5)				D. DATE	ATE CEBBIABY 1007	1007
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACTI	VITY	B. WE	B. WEAPON MODEL/SERIES/ POPULAR NAME	/SERIES/	POPUL	AR NAME	2.7	C. MANUFA	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	TY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMMO	NO	JOINT SER TESTER (J NSN: NSL	SEC	CTRONIC	COMB	E ELECTRONIC COMBAT SYSTEM :ST)	<b>₹</b>	AAI HUNT VAI	AAI HUNT VALLEY, MD			
Weapon System Cost Elements	IDENT		FY 96	99		FY 97			FY 98			FY 99	
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* OTHER COSTS: PROGRAM MANAGEMENT, ENGINEERING		 				

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63 691

Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	<b>VT HISTORY</b>	PLANNING	EXHIBIT	(P-5A)			A. DATE	u	
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B. APPROPRIATION/BUDGET ACTIVITY	IVIT∀			SINIO	ERVICE ELE	CTRONIC (	JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST)	STEM TE	STER (19	ECSD
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		Exhibit P-5a Procurement History and Planning	
		PAGE NO.	
		P-1 SHOPP LIST PAGE NO. ITEM NO. 63	
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	8	}	1		1-4	TEM	P-1 ITEM NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER	VEN	۲	<u>F</u>	<u>ان</u>	Į	SER	VICE	ELE	CTR	Š	Š	WBAI	SYS	STEN	4 TE	STER		M	u jij	DATE: FEBRUARY 1997	JAH	۲ 19ړ	<u>~</u>										_
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages
Exhibit P.21 Production Schedule

### REQUIREMENTS STUDY UNCLASSIFIED

Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS: **USAGE (Planned & Projected thru FY99 FDP)** FY97 since as of date:

FY98: FY99: FY00:

FY01:

PROCUREMENT LEADTIME: 13 months TOTAL DISPOSALS

**NET ASSETS:** 

## **ACTUAL TRAINING EXPENDITURE**

**FY96** 

**FY95 FY94** 

FY93 **FY92**  **ACTUAL OTHER THAN TRAINING EXPENDITURE** 

**FY96 FY95 FY94** FY93 FY92

P-1 SHOPP LIST ITEM NO. 63

DATE: FEBRUARY 1997 P-1 ITEM NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST)

## INVENTORY OBJECTIVE

Number of Combat Loads	Assets Required for Combat Loads	Combat Expenditures	War Reserve Requirement	Annual Training
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Annual Testing	Maintenance Pipeline	Air Force Requirement	Air National Guard Requirement
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# APPROVED ACQUISITION OBJECTIVE

	PROCUREMENT REQUIREMENT	Total FY98 Requirement	Less Net Assets
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Total EV00 Requirement	

Total FY99 Rec	Pass Not Asset
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Procurement

Required FY99 Procurement	Planned FY99 Procurement

Planned FY9	REMARKS:

UNCLASSIFIED

Exhibit P-20 Requirements Study | / 3

		BUDGE! II EM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DAIE: FEBRUARI 1997	/881 1881
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCLIBEMENT COMMON SUPPORT EQUI	VITY	PMENT	P-1 ITEM NOMENCLATURE NEW GENERATION HEATER NSN: NA	ICLATURE NEW	GENERATION HEAN NEW	ATER	
FY96	FY97	86/	FY99	FY00	FY01	FY02	FY03
QUANTITY 0	0	0	1200	1200	1200	1200	850
COST (In Mil) \$0	\$0	\$0	\$12.000	\$12.300	\$12.608	\$12.923	\$9.382

A. DESCRIPTION/FUNCTION: The New Generation Heater is a wheeled, trailer mounted, duct type heater primarily used to provide personnel comfort while performing aircraft maintenance. It heats aircraft cockpits, engines, cargo areas, and temporary structures in various environments using multiple fuels. Most heating units are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft.

D. REQUIREMENTS: FY99 - 1200 replacements

area. Additionally, heaters have many parts that are no longer available through the supply system due to obsolescence. Without the new replacements, units expenditures. Current heaters have well exceeded their estimated service life and have continually demonstrated coking problems in the heater combustion E. IMPACT: Failure to procure this New Generation Heater will result in the continued costly repair of old, worn out, unreliable units, and high manhour will be unable to perform flightline maintenance tasks and impact mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

ANG QTY/DOLLARS

250/\$2.500

FY99:

AFR QTY/DOLLARS 96/\$.960

PAGE NO.		
P-1 SHOPP LIST	ITEM NO. 63	

BUDGE	BUDGET PROCUREMENT HI	INT HISTORY PLA	ISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	SUPPORT EQ	IPMENT		C. P-1 ITEI NSN: N/A	EM NEW GE	C. P-1 ITEM NEW GENERATION HEATER NSN: N/A	HEATER			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
РҮ <b>99</b>	UNKNOWN	C/FP	AFMC/WR-ALC NOV 98	NOV 98	MAY 99	1200	10,000 YES	YES	ON ON	

D. REMARKS
FY99 unit cost is an average of inputs received from a market survey and an Acquisition Strategy Conference; no procurement history available.

P-1 SHOPP LIST PAGE NO. ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

### P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

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YEAR 1200 Z MANUFACTURER'S NAME AND LOCATION TOTAL FY99

Page 1 of 2 Pages Exhibit P.21 Production Schedule

## REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: NEW GENERATION HEATER

# APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

## ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FV99 FDP)
-Y97 since as of date:
- <b>∀98</b> ;
:/
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OTAL DISPOSALS (47 MONTHS)
PROCUREMENT LEADTIME: 11 months
VET ASSETS:
ACTUAL TRAINING EXPENDITURE - NA

ACTUAL TRAINING EXPENDITURE - NA FY97 FY96 FY94 FY93 ACTUAL OTHER THAN TRAINING EXPENDITURE FY97 FY96 FY96 FY96 FY96 FY96
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REMARKS:

INVENTORY OBJECTIVE Number of Combat Loads	Assets Required for Combat Loads Combat Expenditures	War Reserve Requirement	Annual Testing		Alr Force Requirement 3108 Air Notional Guard Requirement 1469		TOTAL REQUIREMENT 5650	APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT	Total FY99 Requirement 5650	Less Net Assets		Pidnihed FY99 Procurentent	
INVENTORY 0 Number of	O Combat Ex	War Reserv	Annual Test	0 Maintenan	O Air Force Re	Alr Force Re	0 TOTAL REGI	APPROVED	PROCUREM	Total FY99 F	Less Net As	Required F	Pidnned FY	

		BUDGET IT		JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
VIGGOGGA	A B B B C B B I A C T I V I T	TIVITY	(EARIBII P-40)	U) D-1 ITEM NOMEN	JEI ATHRE TRIE	D-1 ITEM NOMENCI ATIBE TRICK MOUNTED DEICER	EB	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	COMMON SUPPOR	MENT		NSN	NSN: 1730-00-555-6205	95	
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	0	0	51	62	8	5	9	0
COST (In Mil)	\$0	\$0	\$10.729	\$13.764	\$2.243	\$1.433	\$1.756	\$0

defrosting, or decontamination fluids. The mobility of the truck and maneuverability of the aerial platform enables the operating crew to have access to any A. DESCRIPTION/FUNCTION: The Truck Mounted Deicer is a self-propelled spray unit designed for spraying external surfaces of aircraft with deicing, area on the aircraft which is normally inaccessible from the ground. At ground level, the spray outlet can reach a maximum height of 48 feet.

B. APPLICATION: Multiple aircraft

C. REQUIREMENTS: FY98 - 33 shortages, 18 replacements FY99 - 59 shortages, 3 replacements

D. MPACT: Failure to procure the Truck Mounted Deicers will severely delay the mission readiness of all unsheltered aircraft on bases located in cold weather climates. Field units do not have enough hangar space to protect mission required aircraft from snow and ice. This requires units to conduct timely aircraft deicing to meet daily operational requirements.

E. TYPE ITEM CODE: A

F. ANG/AFR:

FY98:

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QTY/DOLLARS 8/\$1.777

QTY/DOLLARS 3/\$.666 UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO. 63 6/1

BUDGE	BUDGET PROCUREMENT	INT HISTORY PLA	HISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IIPMENT		C. P-1 IT	EM NOME	NCLATURE NSN:	C. P-1 ITEM NOMENCLATURE TRUCK MOUNTED DEICER NSN: 1730-00-555-6205	NTED D 6205	EICER	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY95	LANDOLL CORP.	C/FFP	AFMC/SA-ALC	30 JUL	DEC 96	7	222,064			
FY98 FY99	Marysville, KS LANDOLL CORP. UNKNOWN	OPTION	AFMC/SA-ALC AFMC/SA-ALC	OCT 97	MAY 98 MAY 99	51	210,372	YES	0 0	
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D. REMARKS
FY95 procurement establishes a requirements contract with a two years ordering period.
FY96 will be a call order to the basic contract.
FY99 unit cost based on escalation of FY98 price.

Exhibit P-5a Procurement History and	
PAGE NO.	IED
P-1 SHOPP LIST PAGE NO. ITEM NO. 63	UNCI ASSIFIED
	NO

**Exhibit P-5a Procurement History and Planning** 

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FY98/99 BUDGET PRODUCTION SCHEDULE	TEMMFG PROCUREMENT	TEAN											MANUFACTURER'S NAME AND LOCATION: LANDOLL CORP	MARYSVILLE KS, 66508			
	ITEM			FY99							TOTAL		MANUF	MARYS			

### REQUIREMENTS STUDY UNCLASSIFIED

DATE: FEBRUARY 1997 Y: ON SUPPORT NSN: 1730-00-555-6205	INVENTORY OBJECTIVE	522 Number of Combat Loads	25 Assets Required for Combat Loads	0 Combat Expenditures	547 War Reserve Requirement	Annual Training		18 Maintenance Pipeline	0 Air Force Requirement	0 Air National Guard Requirement					APPROVED ACQUISITION OBJECTIVE	DECCLIDENTERIT DECLIDENTERIT	Total FY98 Bequirement	Less Net Assets	Required FY98 Procurement	Planned FY98 Procurement		Total FY99 Requirement	PENDITURE Less FY98 Planned Procurement	Required FY99 Procurement	Planned FY99 Procurement		HEMAHNO:	P-1 SHOPP LIST
APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCUREMENT, COMMON SUPPORT	ASSETS ASSETS	On Hand as of 31 Mar 96	Due-in w/all Prior Years' Funds	Due-in w/FY97 Funds	TOTAL ASSETS:		USAGE (Planned & Projected thru FY99 FDP)	FY98 since as of date:	FY99:	FY00:	FY01:	FY02:	TOTAL DISPOSALS (37 MONTHS)	PROCUREMENT LEAD TIME: / MONTHS	NET ASSETS:		ACTUAL TRAINING EXPENDITURE	FY98	FY97	FY96	FY95	FY94	<b>ACTUAL OTHER THAN TRAINING EXPENDITURE</b>	FY98	FY97	FY96	FY95	FY94

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639 526 113 51

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# Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	M JUSTIFICATION IIBIT P-40)			DATE: FEBRUARY 1997	RY 1997
APPROPRIA AIRCRAFT I	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY SOMMON SUPPO	PMENT	P-1 ITEM NOME	NCLATURE NOIS	P-1 ITEM NOMENCLATURE NOISE SUPPRESSOR, LG TURBO FAN ENGINE NSN: 4920-01-082-1095	LG TURBO FAN E	NGINE
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	0	0	-	0	0	0	0	0
COST (In Mil)	\$0	0\$	\$3.046	\$0	0\$	\$0	\$0	\$0

engine hoist system, air inlet splitter baffles, exhaust silencer, air compressor, and fire suppression system. The suppresser is 218' long, 52' wide and 29' high. A. DESCRIPTION/FUNCTION: The demountable noise suppresser consists of a structural steel framework lined with acoustical panels, engine thrust fixtures, specific engine under test. There are no engine test suppressers presently in the inventory that will accommodate the thrust capacity of the F101 and F108 It is used to suppress noises generated by jet engines being run within the facility. The overall test chamber system is of integrated design to achieve the necessary operating conditions for satisfactory engine testing, while simultaneously achieving the aerodynamic and thermodynamic requirements of the engines or any other new generation jet engine exceeding 35,000 lbs thrust.

B. PURPOSE OF PROCUREMENT: FY98 procurement will satisfy one Air National Guard shortage for the B-1B aircraft.

C. APPLICATION: B-1B

D. REQUIREMENTS: FY98 - 1 shortage

Force personnel were retraining each year due to hearing loss associated with being around jet engine noise. Without adequate noise sound suppression, engine operation is restricted to certain hours which can jeopardize aircraft readiness. Base personnel would be exposed to severe noise with possible IMPACT: This requirement generated from the increasing emphasis on environmental control and a finding by the Surgeon General that over 2,000 Air hearing damage or loss. In addition, community relations are often strained due to unsuppressed jet engine operation. نىا

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG
QTY/DOLLARS
FY98: 1/\$3.046

AFR QTY/DOLLARS

PAGE NO. P-1 SHOPP LIST ITEM NO. 63

	WE,	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	<b>IALYSIS</b>	EXHIB	IT (P-5)				D. DATE	E E	
			)	(Cost in thousands of dollars)	of dollars)						Ŀ	<b>FEBRUARY 1997</b>	7 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACTI	l	B. WE.	B. WEAPON MODEL	/SERIES/	POPUL	IODEL/SERIES/ POPULAR NAME	<u> </u>	C. MANUFA	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
			NOISE	NOISE SUPPRESSOR, LG TURBO FAN ENGINE	3, LG TUF	<b>BO FAN</b>	ENGINE						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	)OMM	NO	NSN: 4	NSN: 4920-01-082-1095	95			ZŽ	DUSTRI	INDUSTRIAL ACOUSTICS CO (IAC), INC MONICKS CORNER, SC	00 SOL	(IAC), IN	0
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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	ENT HISTORY PLA	r PLANNING	EXHIBIT	(P-5A)			A. DATE	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IIPMENT		C. P-1 ITEM N FAN ENGINE	INE NSI	ENCLATURE NOISE SU NSN: 4920-01-082-1095	C. P-1 ITEM NOMENCLATURE NOISE SUPPRESSOR, LG TURBO FAN ENGINE NSN: 4920-01-082-1095	RESSOR	I, LG TU	380
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REO'D	IF YES, WHEN
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HEMARKS	FY98 UNIT COST BASED ON CURRENT CONTRACT PLUS ESCALATION FACTOR.	

P-1 SHOPP LIST PAGE NO. ITEM NO. 63

Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 1 Pages Exhibit P-21 Production Schedule

## REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: NOISE SUPPRESSOR, LG TURBO FAN ENG

NSN: 4920-01-082-1095

	DUIPMENT
TIVITY	CRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT
DGET AC	COMMON
JON / BU	SUREMENT.
PROPRIATION / BUDGET ACTIVITY	SRAFT PROC

### DISPOSALS (Planned & Projected thru FY98 FDP) TOTAL DISPOSALS (36 MONTHS) Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 FY97 since as of date: Due-In w/FY97 Funds TOTAL ASSETS: **ASSETS** FY01: FY98: FY99: F700 APF ARC

FY93 REMARKS:

	15 9 1	25 24 1	
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training  Annual Testing	Maintenance Pipeline Alr Force Requirement Alr National Guard Requirement Alr Force Reserve Requirement TOTAL REQUIREMENT	APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
24		24	

PROCUREMENT LEADTIME: 18 months

**NET ASSETS:** 

UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

PAGE NO. 1 OF 1

		BUDGET ITEM (EXHIE	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION 3IT P-40)			DATE: FEBRUARY 1997	<b>VRY 1997</b>
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCLIBEMENT COMMON SLIBBODT FOLIBE	TIVITY	TATA	P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK	NCLATURE MJ-4	0 LIFT TRUCK		
	FY96	FY97	FY98	FY99	FY00	FY01	55 FV02	EVU3
QUANTITY	0	0	33	12	0	0	0	2
COST (In Mil)	0\$	\$0	\$9.871	\$3.670	0\$	\$0	\$0	90

A. DESCRIPTION/FUNCTION: The MJ-40 Lift Truck is operationally similar to the MJ-1B and MHU-83C/E lift trucks, and is the latest weapon loading system designed specifically for the B-1B and B-2 bomber aircraft. The MJ-40 lift truck has a maximum loading capacity of 10,000 pounds. It is a self propelled, hydraulically operated lifting and positioning device used to lift and attach aerial stores to the bomber aircraft.

B. PURPOSE OF PROCUREMENT: To fill initial shortages in support of the B-1B.

C. APPLICATION: B-1B, B-2 aircraft.

D. REQUIREMENTS: FY98: 33 shortages

FY99: 12 shortages

E. IMPACT: The MJ-40 is the primary lift truck with the capability of lifting stores on the B-1B and B-2 aircraft. Without this lift truck, the long range strategic mission of the Air Force will be severely impaired.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY98:

ANG QTY/DOLLARS 13/\$3.889

AFR QTY/DOLLARS 0 P-1 SHOPP LIST PAGE NO. ITEM NO. 63 UNCLASSIFIED

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BUDGI	ROCUREME	INT HISTORY PLA	HISTORY PLANNING EXHIBIT (P-5A)	ЕХНІВІТ	(P-5A)			A. DATE	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	IVITY MON SUPPORT EQU	UIPMENT		C. P-1 ITI NSN: 17	C. P-1 ITEM NOMENCLA NSN: 1740-01-147-1735	ICLATURE 1 735	C. P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK NSN: 1740-01-147-1735	30CK		
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST	QUANTITY	UNIT	SPECS	SPEC	IF YES, WHEN
=					SEEN FULL			MOM	HEQ.D	AVAIL
FY92	STANDARD MFG	SS/FFP	AFMC/SA-ALC	JUL 92	остэз	58	131,353	*****		
FY98 FY99	STANDARD MFG STANDARD MFG	SS/FFP SS/FFP	AFMC/SA-ALC AFMC/SA-ALC	OCT 97 OCT 98	APR 99 OCT 99	33	299,132 305,864	YES	8 8 8	

	lon.
	contractor's quote plus Infla
D. REMARKS	FY98/99 unit cost is based on c

PAGE NO.	HED:
P-1 SHOPP LIST ITEM NO. 63	UNCLASSIFIED

Exhibit P-5a Procurement History and Planning

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P-1 ITEM NOMENCLATURE: MJ-40 LIFT TRUCK 1730-01-147-1735		96 96 96 OCT NOV DEC JAN FEB MARAF	33	12							45 0 0 0 0 0 0 0 0	OCT NOV DEC JAN FEB MARIAPR MA		ADMIN LE	INITIAL 0
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages
Exhibit P.21 Production Schedule

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# UNCLASSIFIED REQUIREMENTS STUDY

APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS: TOTAL ASSETS: FY99: FY99: FY00: FY00: FY00: FY01: FY02: TOTAL DISPOSALS (44 MONTHS) PROCUREMENT LEADTIME: 18 MONTHS NET ASSETS: ACTUAL TRAINING EXPENDITURE FY98 FY98 FY98 FY99 FY99 FY99	P-1 ITEM NOM NSN NSN NSN NSN NSN NSN NSN NSN NSN NS	P-1 ITEM NOMENCLATURE: MJ-40 LIFT TRUCK  NSN: 1730-01-147-1735  INVENTORY OBJECTIVE  Number of Combat Loads Assets Requirement Annual Training Annual Training Annual Training Annual Test
ACTUAL OTHER THAN TRAINING EXPENDITURE FY97 FY96 FY95 FY95 FY95		Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement Planned FY99 Procurement REMARKS:

Exhibit P-20 Requirements Study  $\mid$  9  $\stackrel{?}{>}$ 

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		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	<b>RY 1997</b>
APPROPRIA AIRCRAFT F	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUII	COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE S	P-1 ITEM NOMENCLATURE Self-Generating Nitrogen System (SGNS) NSN: 3655-01-347-9055	yen System (SGNS 5	(6
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	2	233	009	356	0	0
COST (In Mil)	\$0	0\$	\$0.750	\$16.688	\$43.710	\$26.508	\$0	0\$

transported by helicopter and fixed wing aircraft. The SGNSC will produce gaseous nitrogen by use of a plastic fiber membrane that separates pure nitrogen from ambient, compressed air. It will produce 95.5 percent pure nitrogen at 4,000 pounds per square inch gage (PSIG) at a rate of not less than 15 standard A. DESCRIPTION/FUNCTION: The Self-Generating Nitrogen System (SGNS) is lightweight and portable. It can be towed over unimproved surfaces and cubic feet per minute (SCFM). The nitrogen gas will be used to service tires, struts and accumulators. The SGNSC is a self-contained, enclosed, diesel engine powered, four wheel, towable cart with a weight of less than 4,000 pounds.

servicing unit (LN-2), the six and eight bottle nitrogen servicing carts and an air compressor. This system will be rapidly deployable and capable of supporting B. PURPOSE OF PROCUREMENT: FY98 funding begins a procurement program that will replace three unreliable and obsolete systems: the liquid nitrogen aircraft under remote and bare base conditions. The need to store and transport liquid nitrogen under these conditions will be greatly reduced. Additionally, the SGNSC improves safety and reduces dependency on foreign sources. It will eliminate the need to handle cryogenic liquids, reduce the possibility of personnel injury due to ignition of aircraft tires and significantly reduce maintenance operations.

C. APPLICATION: SGNS will be used to service tires, struts and accumulators on a multitude of aircraft.

REQUIREMENTS: FY98 - 2 shortages FY99 - 233 shortages

without SGNS. If not procured, the Air Force will continue to preposition empty equipment (storage tanks & LN-2 carts) that still require the shipment of liquid E. IMPACT: The current Air Force systems are inefficient, costly to maintain and unreliable. Bare base operations will continue to be difficult and costly nitrogen to the deployed areas of operation.

F. TYPE ITEM CODE: A

G. ANG/AFR:

ANG QTY/DOLLARS 6/\$.427

AFR QTY/DOLLARS 10/\$.712 P-1 SHOPP LIST PAGE NO. ITEM NO. 63

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	į		· · · · · · · · · · · · · · · · · · ·	(Cost in thousands of dollars)	of dollars)						<u> </u>	<b>FEBRUARY 1997</b>	(1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	r ACTI	i .	B. WE.	B. WEAPON MODEL/SERIES/ POPULAR NAME	/SERIES	/ POPUL	AR NAME	0 _	C. MANUFA	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/F	LANT/ C	TY/STATE
			SELF-C	SELF-GENERATING NITROGEN SERVICING CART	NITROGE	EN SERV	ICING CART			•			
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	NO	NSN:	NSN: 3655-01-347-9055	355			<u> </u>	UNKNOWN	Z			
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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

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ONTRACTOR/ CONTRACT CONTRACTED A LOCATION METHOD BY		FEBRUARY 1997	266
ONTRACT CONTRACTED AWARD DATE DATE	C. P-1 ITEM NOMENCLATURE SELF-GENERATING NITROGEN	<b>JERATING NITROC</b>	SEN
CONTRACTOR/ CONTRACT CONTRACTED AWARD LOCATION METHOD BY DATE	SERVICING CART NSN: 3655-01-347-9055	01-347-9055	
LOCATION METHOD BY DATE	TE OF QUANTITY UNIT	SPEC	IF YES,
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D. REMARKS FY98 COST IS FOR 2 FIRST ARTICLES. FY99 COST BASED ON AN ESCALATION OF A 1992 WR-ALC CONTRACT FOR 14 EACH STATIONARY UNITS (\$62K).

	SHOPP LIST PAGE NO.
	P-1 SHOPP LIST F
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CALENDAR YEAR 99

CALENDAR YEAR 98

FISCAL YEAR 98

P-1 ITEM NOMENCLATURE: SELF-GEN NITROGEN SYST NSN: 3656-01-347-9055

CALENDAR YEAR 97

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FY98/99 BUDGET PRODUCTION SCHEDULE

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UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

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FY. ITEM/MFG			FY99 INITIAL (F-16)	FY99 INITIAL (C-17)	FY99	FY99	FY89										TOTAL		MANUFACTU		UNKNOWN		

### REQUIREMENTS STUDY UNCLASSIFIED

AIRCRAFI PROCUREMENT, COMMON SUPPORT APPROPRIATION / BUDGET ACTIVITY:

EQUIPMENT **ASSETS** 

On Hand as of 31 Mar 96

Due-in w/all Prior Years' Funds

Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY00: FY99:

FY01: FY02:

TOTAL DISPOSALS (\_51 MONTHS)

PROCUREMENT LEADTIME: 16 months

**NET ASSETS:** 

**ACTUAL TRAINING EXPENDITURE** 

**FY98 FY97** 

**FY96** FY95

**FY94** 

**ACTUAL OTHER THAN TRAINING EXPENDITURE** 

**FY98 FY97** 

**FY96** 

FY95

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN SYSTEM NSN: 3655-

01-347-9055

				22		,		1286	389	149	1879	1879			1879	420	1459	2	4070	420	2	1457	233
INVENTORY OBJECTIVE	Number of Combat Loads	Assets Required for Combat Loads	Combat Expenditures	War Reserve Requirement	Annual Training	Annual Testing	Maintenance Pipeline	Air Force Requirement	Air National Guard Requirement	Air Force Reserve Requirement	TOTAL REQUIREMENT	APPROVED ACQUISITION OBJECTIVE		PROCUREMENT REQUIREMENT	Total FY98 Requirement	Less Net Assets	Required FY98 Procurement	Planned FY98 Procurement	Total EVOD Boar iteamont	Less Net Assets	Less FY98 Planned Procurement	Required FY99 Procurement	Planned FY99 Procurement
	420	0	0	420			0	0	0		0		420										

P-1 SHOPP LIST ITEM NO. 63

REMARKS:

Exhibit P-20 Requirements Study | 99



		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)	The state of the s		DATE FEBRUARY 1997	7Y 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQU	STIVITY SOMMON SUPPO	ORT EQUIPMENT	P-1 ITEM NOMER	VCLATURE 1	P-1 ITEM NOMENCLATURE UNIVERSAL MAINTENANCE STAND (UMS) DIESEL NSN: 1730-01-370-4268	ANCE STAND (UN	AS) DIESEL
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	-	0	53	თ	0	0	0	0
COST (In Mil)	\$0.133	\$0.00	\$7.144	\$1.283	\$0	\$0	0\$	\$0

stabilizers. This "state-of-the-art" platform used for organizational maintenance is one of two maintenance platforms in the Air Force inventory that can be used Platform dimensions are 96" wide x 180" long. It contains hydraulic power for lifting. Driving and steering are provided by a variable displacement drive pump A. DESCRIPTION/FUNCTION: The Universal Maintenance Stand (UMS) is a split deck, scissors-type platform consisting of four hydraulic operated, caster tipped stabilizers mounted at each corner of the chassis. Elevated platform height is 36% feet at the extended position with a workload capacity of 2,000 lbs. and a fixed displacement lift and steering pump driven by a 20 horsepower diesel engine. The UMS is mounted on a four wheel chassis with four outrigger to perform aircraft maintenance for large aircraft on the tail section and rudder.

B. PURPOSE OF PROCUREMENT: The FY98/99 procurement program will satisfy shortages in the field.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 53 shortagesFY99 - 9 shortages

E. IMPACT: The UMS is used to perform critical maintenance and inspection. Failure to procure shortages will directly cause an increase in time and manhours needed to perform required maintenance and inspections, will increase aircraft downtime, and affect mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

**FY98** 

QTY/DOLLARS ANG 2/\$.270

QTY/DOLLARS AFR 1/\$.135 PAGE NO. P-1 SHOPP LIST ITEM NO. 63

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTOR	Y PLANNING	EXHIBIT	. (P-5A)			A. DATE	ш	
	)	(Cost in thousands of dollars)	of dollars)		,			FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	IVITY				C. P-1 II	C. P-1 ITEM NOMENCLATURE UMS, DIESEL	CLATURE L	JMS, DIE	SEL	
<u>AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN</u>	<b>JON SUPPORT EQU</b>	IIPMENT				NSN: 173	NSN: 1730-01-370-4268	. 89		
Cost Element	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES.
FISCAL YEAR	LOCATION	METHOD	βÁ	DATE	FIRST		COST	AVAIL		WHEN
		& TYPE			DELIVERY			NOW	REQ'D	AVAIL

134,795 YES 142,515 YES

53

APR 99 FEB 00

OCT 97 OCT 98

AFMC/SA-ALC AFMC/SA-ALC

OPTION OPTION

SKYTOP BREWSTER
CO, VICTORIA, TX
UNKNOWN
OPTION
OPTION

FY98 FY99

FY96

10L 97

30L 96

AFMC/SA-ALC

133,374

	Exhibit P-5a Procurement History and Planning	
	PAGE NO.	
	P-1 SHOPP LIST PAGE NO. ITEM NO. 63	
D. REMARKS		

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

### 32 **---**1-001 1-001000 NOVIDEC JAN FEB MARIAPRIMAYJUN JUL AUGISEP OCT NOVIDEC JAN FEB MARIAPRIMAYJUN JUL AUGISEP OCT NOVIDEC JAN FEB MARIAPRIMAYJUN JUL AUGISEP OCTNOVÍDEGÍJAN FEB MARÍAPRIMAYÍUN IJUL AVGISEP IOCTNOVÍDEGÍJAN FEB MARÍAPRIMAYÍUN IJUL ÁVGISEP IOCTNOVÍDEGÍJAN FEB MARÍAPRIMAYÍUN IJUL ÁVGISEP POCUNEMENT LEAD TIME PROCUREMENT LEAD TIME CALENDAR YEAR 99 FISCAL YEAR 99 0 0 DATE: FEBRUARY 1997 0 CALENDAR YEAR 98 0 0 FISCAL YEAR 98 0 MANUFACTURING TOTAL AFTER 0 8 P-1 ITEM NOMENCLATURE: UMS, DIESEL NSN: 1730-01-370-4268 0 9 CALENDAR YEAR 97 PR 1 OCT AFT 1 OCT ADMIN LEAD TIME 0 5 5 3 FISCAL YEAR 97 2 REORDER 96 96 NITIAL 0 ō 33 53 용 OTY PRIOR DUE PROD RATES REA-PROCACOPT BAL FY98/99 BUDGET PRODUCTION SCHEDULE ¥Υ 8 8 C-17 Q-17 თ m Œ > ΑF ΑF 8 ¥. PROCUREMENT YEAR MANUFACTURER'S NAME AND LOCATION SKYTOP BREWSTER CO, 102 INDUSTRIAL POINT VICTORIA, TX 77902 TOTAL FY96 FY96 FY96 FY97 FY98 FY99

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FY98/99 BUDGET PRODUCTION SCHEDULE	ITEMAMFG PROCUREMENT	YEAR		FY98	FY99									A			TOTAL		MANUFACTURER'S NAME AND	.00			

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

# UNCLASSIFIED REQUIREMENTS STUDY

<u>;</u>	<b>10N SUPPORT</b>		
APPROPRIATION / BUDGET ACTIVITY:	AIRCRAFT PROCUREMENT, COMMON SUPPORT		
<b>APPROPRIATIO</b>	AIRCRAFT PRO	EQUIPMENT ASSETS	

On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS: **USAGE (Planned & Projected thru FY99 FDP)**FY98 since as of date:

FY98 since as of date: FY99:

FY00: FY01:

FY02: TOTAL DISPOSALS (\_51 MONTHS) PROCUREMENT LEADTIME: 16 months

**NET ASSETS:** 

ACTUAL TRAINING EXPENDITURE

FY97 FY96 FY95

FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98 FY98 FY96 FY96

P-1 ITEM NOMENCLATURE: UMS, DIESEL NSN: 1730-01-370-4268

INVENTORY OBJECTIVE

Number of Combat Loads

Assets Required for Combat Loads

Combat Expenditures

Combat Expenditures

Annual Training

Annual Testing

0 Air Force Requirement
0 Air National Guard Requirement
0 Air Force Reserve Requirement
0 TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

126

188

188

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

188

53

62

53

REMARKS:
P-1 SHOPP LIST

ITEM NO. 63

UNCLASSIFIED

Exhibit P-20 Requirements Study

		BODGI	BUDGET ITEM JUSTII	JUSTIFICATION			DATE FEBRUARY 1997	<b>1997</b>
			<b>(EXHIBIT P-40)</b>	0)				
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	:TIVITY		P-1 ITEM NOME	VCLATURE R.F.	P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED	ED	
AIRCRAFT !	PROCUREMENT,	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	RT EQUIPMENT		NSN	NSN: 4920-NC-D01-5256DQ	56DQ	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (In Mil)	0\$	0\$	\$15.270	\$6.200	\$0	0\$	\$0	\$0

can also be used as general purpose test equipment through its built-in virtual panels. The interface provides universal analog, dynamic digital and static digital system, used to test aircraft Line Replaceable Units (LRU's). It is based on an open architecture of commercial equipment in a modular design. The tester can BRAT features instrument-on-a-card and modular technologies to provide complex testing capabilities. Programming is done through a graphical spreadsheet" A. DESCRIPTION/FUNCTION: The Ruggedized Transportable Radio Frequency Benchtop Reconfigurable Automatic Tester (R.F. BRAT) is a flexible test test points; three phase facility power routing, and dedicated R.F. paths, which reduce the number and complexity of interface test adapters (ITA). The R.F. environment, providing low learning curves and high throughput. The standard operating environment is Windows.

B. PURPOSE OF PROCUREMENT: FY98 funds field shortages, FY99 procures Test Program Sets (TPSs).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 7 shortages

components. This tester is the latest state-of-the-art and will eliminate obsolete equipment and replace various outdated test equipment presently being used consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's line replaceable units for state-of-the-art aircraft equipment. These testers will meet present and expected future deployment requirements. Test Program Sets (TPSs) which E. IMPACT: Failure to procure this equipment will greatly impair the E-3B/C mission and ground aircraft due to lack of ability to test critical avionics (LRUs). The R.F. BRAT ruggedized station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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DGET ACTIVITY NT, COMMON	(Cost in thousands of dollars)  B. WEAPON MODEL/SERIES/ POPULAR NAME  R.F. BRAT RUGGEDIZED						-
UDGET ACTIVITY	APON MODEL/SERIES/ PO	155514 64 516			FEBRI	FEBRUARY 1997	
IENT, COMMON	AAT RUGGEDIZED	PULAH NAME	C. MANUF,	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	VAME/PLAN	I/ CITY/STATE	
IENT, COMMON	CCCCC 700 Cit 0001						
Wooden Statem Cost	4920-NC-D01-5256DQ		UNKNOWN	N			
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OTHER COSTS	⋖								300		•	300
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*OTHER COSTS: Environmental,					•							
testing, program management												
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TOTAL	<del></del>		<del></del>	 					15.270			6.200

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

BUDGE	<b>BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)</b>	<b>NT HISTORY</b>	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	3)	(Cost in thousands of dollars)	f dollars)		•			HB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	IVITY			ပ	P-1 ITEM N	<b>OMENCLAT</b>	C. P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED	AT RUG	GEDIZE	٥
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	MON SUPPORT EQU	IIPMENT				NSN: 4920	NSN: 4920-NC-D01-5256DQ	žďa		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATEOF	QUANTITY	UNIT	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			NOW	REQ'D	AVAIL
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98		1,217,172	YES	YES	
FY99	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	8	250.000	YES	YES	

It is TPSs only.	P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning ITEM NO. 63
D. REMARKS FY98 unit cost are based on contractors FY96 estimated unit cost inflated: FY99 procurement is	

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## REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: R.F. BRAT RUGGEDIZED NS-1 ITEM NOMENCLATURE: R.F. BRAT RUGGEDIZED NS-1 ITEM NOMENCLATURE: R.F. BRAT RUGGEDIZED

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<b>PROPRIATION</b>	T PROCUREMENT
<b>APPROP</b> I	AIRCRAFT

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:
DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date:
FY98;
FY99;
FY00:
FY01:
TOTAL DISPOSALS (36 months)
PROCUREMENT LEADTIME: 14 months

ACTUAL TRAINING EXPENDITURE - NA	FY97	FY96	FY95	FY94	FV93
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**NET ASSETS:** 

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
<u>REMARKS</u> :

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INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training	Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement	TOTAL REQUIREMENT  APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
0 0 0	0 0 0 0 0			

PAGE NO. 1 OF1

Exhibit P-20 Requirements Study/ () ()

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	RY 1997
APPROPRIAT AIRCRAFT P	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE TE	P-1 ITEM NOMENCLATURE TEST STATION, RADAR NSN: 4920-01-413-9279DQ	.R 9DQ	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	2	0	0	0	0	0
COST (In Mil)	0\$	\$0	\$12.103	\$6.400	0\$	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Radar Test Station is a modular design, flexible test system used for troubleshooting and minor repair of complex aircraft avionics line replaceable units. It can be used as general purpose test equipment (GPTE) through it's built-in virtual panels. The interface provides complex testing capabilities. Programming is done through a graphical spreadsheet environment, providing low learning curves and high throughput. The standard operating environment is Windows hosted on an Intel PC computer.

B. PURPOSE OF PROCUREMENT: FY98 procurement will replace obsolete equipment, FY99 will procure Test Program Sets (TPS).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 5 replacements

the-art tester will eliminate the current obsolete, noneconomical and logistically insupportable equipment presently being used on state-of-the-art aircraft. Current requirements. Test Program Sets (TPSs) which consist of software, interface test adapters, documentation and cables are required as an interface between the E. IMPACT: This tester is critical for troubleshooting aircraft avionics and preventing the grounding of aircraft due to avionics failures/anomalies. This state-ofsystems are no longer supportable due to obsolescence and lack of commercial sources. The testers will meet present and expected future deployment tester and the aircraft's LRUs. The test station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR:

H. NA

PAGE NO.		
 P-1 SHOPP LIST	ITEM NO.	63

R.F. TEST STATION, RADAR NSN: 4920-01-413-9279DQ FY 96 FY 96 FY 96 FY 97 FY 96 FY 97 FY 96 FY 97 FY 96 FY 97 FY 96 FY 97													
PRIATION/BUDGET ACTIVITY B. WEAPON MODEL/SERIES/ POPULAR NAME PROCUREMENT, COMMON NSN: 4920-01-413-9279DQ  In System Cost core core core core core core core core	WEAF	ON SY	STEM CO	ST ANAL	YSIS EX	KHBIT HBIT	<sup>r</sup> (P-5)				D. DATE	ш	
PRIATION/BUDGET ACTIVITY  PROCUREMENT, COMMON  In System Cost cone  Cone			(Cost in th	housands of do	illars)						ᇤ	<b>FEBRUARY 1997</b>	7 1997
R.F. TEST STATION, RADAR   NSN: 4920-01-413-9279DQ   St	PRIATION/BUDGET ACTIVI		WEAPON	MODEL/SE	RIES/ PO	<b>PULAF</b>	3 NAME	C. 1	C. MANUF/	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
St		<u></u>	F. TEST ST.	ATION. RA	DAR			)   		•			
st ident code FY 96 FY 97 UNIT UNIT	PROCUREMENT, COMMON		N: 4920-01	-413-9279E	g			Š	UNKNOWN	7			
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TEST STATION	_ <			 	2	1,060,539	5.303	0		_	_ C
DATA	∢	***************************************					1.000	•			700
TEST PROGRAM SETS (TPS)	∢				8	250,000	5.000	20	250,000	_	5.000
SOFTWARE	4						200				
OTHER COSTS	۷						.450				450
ICS	∢	 -					.150				.250
TOTAL		 		<del></del>			12.103				6 400

Exhibit P-5 Weapon System Cost Analysis	IED
PAGE NO.	UNCI ASSIFIED
P-1 SHOPP LIST ITEM NO. 63	

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BUDGE	BUDGET PROCUREMENT !	AT HISTORY	<b>HISTORY PLANNING EXHIBIT (P-5A)</b>	EXHIBIT	(P-5A)			A. DATE	ш	
	))	(Cost in thousands of dollars)	f dollars)		•			FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY				ပ	P-1 ITEM N	IOMENCLAT	C. P-1 ITEM NOMENCLATURE TEST STATION, RADAR	STATION	I, RADAI	~
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMI	<b>AON SUPPORT EQU</b>	IIPMENT				NSN: 4920	NSN: 4920-01-413-9279DQ	3DQ		
Cost Element/	CONTRACTOR/	CONTRACT	ONTRACT   CONTRACTED   AWARD	AWARD	DATE OF QUANTITY	QUANTITY	TINO	SPECS	SPECS SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			MON	NOW REQ'D	AVAIL

FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	ည	1,060,539	YES	2	
FY98 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	80	250	YES	2	
FY99 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	8	250	YES	2	
	•			•		•		•	٠	

**Exhibit P-5a Procurement History and Planning** P-1 SHOPP LIST PAGE NO. ITEM NO. 63 D. REMARKS
FY98 unit cost is based on contractor's FY96 estimate with applicable indices.

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V PROD RATES REA. 2/5 ITEMANFG PROCUREMENT S PROCACOT | 20 45 20 Z Ä Ā ΑF MANUFACTURER'S NAME AND LOCATION FY99 (TPS) FY98 (TPS) UNKNOWN TOTAL FY98

# **REQUIREMENTS STUDY**

APPROPRIATION / BUDGET ACTIVITY

DATE: FEBRUARY 1997

NSN: 4920-01-413-9279DQ

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE: TEST STATION, RADAR NSN: 4920-01-413-9279	N, RADAR 1-413-9279
ASSETS	INVENTORY OBJECTIVE	F)
On Hand as of 31 Mar 96	0 Number of Combat Loads	oads
Due-in w/all Prior Years' Funds	0 Assets Required for Combat Loa	ombat Loc
Due-in w/FY97 Funds	0 Combat Expenditures	S
TOTAL ASSETS:	War Reserve Requirement	ment
	Annual Training	
DISPOSALS (Planned & Projected thru FY98 FDP)	Annual Testing	
FY97 since as of date;	0 Maintenance Pipeline	Œ
FY98:	0 Air Force Requirement	· <del>*</del>
FY99;	O Air National Guard Requirement	 edulrement
FY00:	O Air Force Reserve Recuirement	i frement

	δ ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	
Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training Annual Testing Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement TOTAL REQUIREMENT	APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
	0	

TOTAL DISPOSALS: (35 months)
PROCUREMENT LEADTIME: 14 months

<u>7</u> FY01: ACTUAL TRAINING EXPENDITURE - NA

FY96 FY95 FY94

FY93

FY97

**NET ASSETS:** 

P-1 SHOPPING LIST ITEM NO. 63

ACTUAL OTHER THAN TRAINING EXPENDITURE FY97

FY96 FY95

FY94 FY93 **REMARKS**:

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study

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RY 1997		FY 03	0	\$0	
DATE FEBRUARY 1997	RAILER	FY 02	0	\$0	
	P-1 ITEM NOMENCLATURE MHU-110 MUNITIONS TRAILER NSN: 174-00-403-8235	FY 01	0	\$0	
	ICLATURE MH	FY 00	0	\$0	
JUSTIFICATION	P-1 ITEM NOMEN	FY 99	58	\$3.676	
BUDGET ITEM JUSTIFI	RT EQUIPMENT	FY 98	0	0\$	
BODB	APROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	FY 97	1	\$.042	
	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMO	FY 96	0	\$0	
	APPROPRIAT AIRCRAFT P		QUANTITY	COST (In Mil)	

requirements such as a cable harness, four main rails, four main rail extenders, 20 chock assemblies (including trolleys) and 40 chocks with tie down straps. The MHU-110 Munitions Trailer has a load capacity of 15,000 pounds and the overall dimensions are height 30 inches, width 87 inches and deck length 180 A. DESCRIPTION/FUNCTION: The MHU-110 Munitions Trailer is a ten-wheeled flatbed carrier capable of transporting any munitions within the load, dimensional and stability limitations stated within the Technical Order (T.O.). Each trailer requires specific accessories for general purpose functional

B. PURPOSE OF PROCUREMENT: FY99 procurement program will satisfy 85 initial shortages.

C. APPLICATION: Multiple aircraft.

D. REQUIREMENTS: FY99 - 85 shortages

E. IMPACT: In an Area of Responsibility (AOR), lack of the MHU-110 Munitions Trailer could result in delays in loading the 10,000 pound plus bombs. Failure to support this acquisition will severely impair the strategic forces war fighting capability and may result in decreasing the number of sorties flown by the B-1B and B-2 bomber aircraft.

F. TYPE ITEM CODE: A

G. ANG/AFR:

**FY99** 

QTY/DOLLARS 1/\$.043

QTY/DOLLARS

P-1 SHOPP LIST ITEM NO. 63

PAGE NO.

BUDGE	BUDGET PROCUREMENT	AT HISTORY	HISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE	ш	
	γ ((	(Cost in thousands of dollars)	f dollars)					FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1	ITEM NON	<b>IENCLATUR</b>	C. P-1 ITEM NOMENCLATURE MHU-110 MUNITIONS TRAILER	MUNITIO	<b>NS TRA</b>	LER
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	ON SUPPORT EQU	IIPMENT				NSN: 17	NSN: 1740-00-403-8235	235		
Cost Element	CONTRACTOR/	CONTRACT	CONTRACT CONTRACTED AWARD	AWARD	DATE OF QUANTITY	QUANTITY	IINN	SPECS	SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	ΒĄ	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			≱ ON	NOW   REQ'D	AVAIL

SUPERIOR WELDING C/FFP AFMC/SA-ALC JUN 95 MAR 96 6 39,600 BARTLESVILLE, OK	C/FFP A	JUL 99 85 43,243 YES
C/FFP A	C/FFP A	OPTION
FY95 SUP	FY97 UNK	FY99 UNK

Exhibit P-5a Procurement History and Planning
PAGE NO.
P-1 SHOPP LIST PAGE NO. ITEM NO. 63

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MANUFACTURER'S NAME AND LOCATION

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CALENDAR YEAR 99

CALENDAR YEAR 98

FISCAL YEAR 98

P-1 ITEM NOMENCLATURE: MHU-110 MUNITIONS TRAILER, 1740-00-403-8235

CALENDAR YEAR 97

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FY97 FY99

FISCAL YEAR 97

UNCLASSIFIED

FISCAL YEAR 99

DATE: FEBRUARY 1997

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P-1 SHOPPING LIST ITEM NO. 63





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TYNAM BUDGET PRODUCTION SCHEDULE	YEAR			FY97	FY99												TOTAL		MANUFACTURER'S NAME AND	NO.	UNKNOWN		

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 2 of 2 Pages Exhibit P.21 Production Schedule

#### REQUIREMENTS STUDY UNCLASSIFIED

AIRCRAFT PROCUREMENT, COMMON SUPPORT APPROPRIATION / BUDGET ACTIVITY:

EQUIPMENT **ASSETS** 

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds

**FOTAL ASSETS:** 

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY00: FY99:

FY01: FY02:

PROCUREMENT LEADTIME: 9 months TOTAL DISPOSALS (51 MONTHS)

**NET ASSETS:** 

**ACTUAL TRAINING EXPENDITURE** 

**-**Y97

**FY96 FY95** 

**FY94** 

<u>ACTUAL OTHER THAN TRAINING EXPENDITURE</u>

**FY98 FY97**  **FY96 FY95** 

**FY94** 

P-1 ITEM NOMENCLATURE: MHU-110 MUNITIONS TRAILER DATE: FEBRUARY 1997

NSN: 1730-00-403-8235

**NVENTORY OBJECTIVE** 

Assets Required for Combat Loads **Number of Combat Loads** 2303

War Reserve Requirement Combat Expenditures

2324

**Annual Training** 

**Annual Testing** 

Maintenance Pipeline

Air National Guard Requirement Air Force Reserve Requirement Air Force Requirement

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1506 535

TOTAL REQUIREMENT

6

2369

2369

2369 2284

APPROVED ACQUISITION OBJECTIVE

2284

PROCUREMENT REQUIREMENT otal FY98 Requirement

ess Net Assets

Required FY98 Procurement Planned FY98 Procurement

Total FY99 Requirement

Less Net Assets

2369 2284

> ess FY98 Planned Procurement Required FY99 Procurement

Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST ITEM NO. 63 Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	RY 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	TIVITY COMMON SUPPC	ORT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE O	P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND NSN: 1730-00-158-3039	QN 6	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	1	2	0	0	0	0
COST (In Mil)	0\$	\$0	\$1.327	\$4.223	\$0	\$	\$0	\$0

A. DESCRIPTION/FUNCTION: The C-5A Empennage Stand is a self-propelled unit that contains six working levels including a horizontal platform at the upper level. The empennage stand is 71'9" tall and 76'8" wide. The stand is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all empennage accessories and flight controls on the C-5A aircraft.

B. PURPOSE OF PROCUREMENT: FY 98/99 procurement program will satisfy shortages and provide replacements for field units.

C. APPLICATION: C-5A aircraft

D. REQUIREMENTS: FY98 - 1 shortage FY99 - 1 shortage, 4 replacements

maintenance functions that are critical to C-5 inspections, repair and time compliance technical orders will be severely restricted and impact mission readiness. E. IMPACT: The empennage stands are essential to the maintenance reliability of the C-5 aircraft fleet. Without this stand, performance of many

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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P-1 SHOPP LIST ITEM NO. 63

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	¥ £	NO N	3731E	WEAPON SYSTEM COST ANALYSIS EXFIBIT (F-5) (Cost in thousands of dollars)	ALYSIS of dollars)	EANIC	(F-5)				J. DA	FEBRUARY 1997	, 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACT	<u>}</u>	B. WE/	B. WEAPON MODEL/SERIES/ POPULAR NAME	SERIES/	POPUL	AR NAME	ΩĞ	C. MANUF.	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ CI	TY/STATE
			C-5A E	C-5A EMPENNAGE STAND	TAND								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMM	N N	NSN: 1	NSN: 1730-00-158-3039	39			<u>5</u>	UNKNOWN	Z			
Weapon System Cost Elements	IDENT		FY 96	9		FY 97			FY 98			FY 99	
		ν	UNIT	TOTALCOST	VIO	UNIT	TOTALCOST	νΤο	COST	TOTAL COST	ΔIΔ	UNIT	TOTAL COST

	-	826,996	.500	ហ	844,690	4.223
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P-1 SHOPP LIST ITEM NO.	63	

Exhibit P-5 Weapon System Cost Analysis

מחסב	BUDGE! PROCUREMEN! HISTORY PLANNING EXHIBIT (P-5A)	AL HISTORY	Y PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	9)	(Cost in thousands of dollars)	of dollars)		•			FEBI	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	VITY			ပ	P-1 ITEM N	OMENCLAT	C. P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND	PENNAG	E STAN	٥
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPME	ION SUPPORT EQU	JIPMENT				NSN: 17	NSN: 1730-00-158-3039	39		]
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATEOF	QUANTITY	UNIT	SPECS	SPEC	SPECS   SPEC   IF YES.
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
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FY87	ATCKISON	SS/FFP	AFMC/SA-ALC	JAN 88	JUL 89	6	652,720			
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	OCT 97	30L99	-	826,996	YES	2	
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 99	MAR 01	က		YES	Ş	

D. REMARKS
UNIT COST IS BASED ON FY87 CONTRACT INFLATED.

P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning	
PAGE NO.	
P-1 SHOPP LIST PAGE I	
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Page 1 of 2 Pages Exhibit P-21 Production Schedule ZZ

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FY98/99 BUDGET PRODUCTION SCHEDULE	ITEMMFG PROCUREMENT			FY99														TOTAL		MANUFACTURER'S NAME AND LOCATION		UNKNOWN		

### **REQUIREMENTS STUDY** UNCLASSIFIED

APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCUREMENT, COMMON SUPPORT	P-1 ITEM NON	DATE: FEBRUARY 1997 P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND NSN: 1730-00-158-3039
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds	7	INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads
Due-in w/FY97 Funds TOTAL ASSETS:	0	Combat Expenditures War Reserve Requirement
USAGE (Planned & Projected thru FY99 FDP)	,	Annual Training Annual Testing
FY99;	0 0	Maintenance Pipeline Air Force Requirement
FY00: FY01:	0 0	Air National Guard Requirement Air Force Reserve Requirement
FY02: TOTAL DISPOSALS (61 MONTHS)	4 4	TOTAL REQUIREMENT
	ď	APPROVED ACQUISITION OBJECTIVE
ACTIIAI TPAINING EXPENDITIDE		PROCUREMENT REQUIREMENT
		local Flag hequilement
FY97		Required FY98 Procurement
FY96		Planned FY98 Procurement
FY95		
FY94		Total FY99 Requirement
ACTUAL OTHER THAN TRAINING EXPENDITURE		Less FY98 Planned Procurement
FY98		Required FY99 Procurement
FY97		Planned FY99 Procurement
FY96		
FY95		HEMAHKS:
FY94	P-1 SHOPP LIST	F-0

		5 6	6 3	9   1   3	Ω.
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training	Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement	APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT  Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	Total FY99 Requirement Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement	Planned FY99 Procurement  REMARKS: ST
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Exhibit P-20 Requirements Study

IATION/BUDGET ACTIVITY  T PROCUREMENT, COMMON SUPPORT  FY 96 FY 97  0 0  \$0 0  \$0 \$0			BUDG	BUDGET ITEM JUSTIFICATION	FICATION			DATE FEBRUARY 1997	RY 1997	
P-1 ITEM NOMENCLATURE AUTOMATIC TESTER           IN SUPPORT EQUIPMENT         P-1 ITEM NOMENCLATURE AUTOMATIC TESTER           NSN: 4920-01-282-4191DQ           IV 97         FY 99         FY 00         FY 01         FY 02           0         12         0         0         0         0           \$0         \$0         \$0         \$0         \$0				(EXHIBIT P-4	0)					
FY 96         FY 97         FY 98         FY 00         FY 01         FY 02           0         0         12         0 </th <th>APPROPRIA AIRCRAFT I</th> <th>TIOWBUDGET AC PROCUREMENT, (</th> <th>TIVITY COMMON SUPPC</th> <th>ORT EQUIPMENT</th> <th>P-1 ITEM NOMEN</th> <th>ICLATURE AUT</th> <th>  TOMATIC TESTER   4920-01-282-419</th> <th>100</th> <th></th> <th>T</th>	APPROPRIA AIRCRAFT I	TIOWBUDGET AC PROCUREMENT, (	TIVITY COMMON SUPPC	ORT EQUIPMENT	P-1 ITEM NOMEN	ICLATURE AUT	TOMATIC TESTER   4920-01-282-419	100		T
FY 96   FY 97   FY 98   FY 90   FY 01   FY 02								<b>3</b>		
0         0         12         0         0         0         0           \$0         \$0         \$0         \$0         0         0         0           \$0         \$0         \$0         \$0         \$0         \$0		FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	Т
\$0 \$0 \$0 \$0 \$0 \$0 \$0	NANTITY	0	0	12	0	0	c	0	c	T
	OST (In Mil)	\$0	0\$	\$3.790	\$0	\$0	\$0	\$0	\$0	T
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testing capability. The system, housed in a desk style test bench, also includes programmable AC and DC powered supplies. The 486/33 computer system synchro-resolver, two function generators, digital data stimulus and response instruments, and a digitizing oscilloscope thus providing full analog and digital A. DESCRIPTION/FUNCTION: This tester is a state-of-the-art, portable automatic test system used for testing and repair of C-5 avionics components. The tester employs industry standard instruments for both measurement and stimulus functions. Included are a digital multi-meter, counter-timer, provides program control and communicates to all system assets via an interface bus. Test program sets are written in user-friendly language.

B. PURPOSE OF PROCUREMENT: FY98 procurement will fill field shortages.

C. APPLICATION: C-5

D. REQUIREMENTS: FY98 - 12 shortages

E. IMPACT: Lack of this item at field activities will increase aircraft downtime due to maintenance technicianspossesing no viable avionics testing capability. Without this tester, maintenance will not be able to meet inspection criterion and schedules, perform timely repair actions or conduct emergency repairs impacting mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

**FY98** 

ANG QTY/DOLLARS 2/\$.632

AFH QTY/DOLLARS 2/\$.632 PAGE NO. P-1 SHOPP LIST ITEM NO. 63

BUDGE	<b>BUDGET PROCUREMENT HIS</b>	<b>NT HISTORY</b>	<b>ISTORY PLANNING EXHIBIT (P-5A)</b>	EXHIBIT	l			A. DATE	ш	
	2)	(Cost in thousands of dollars)	f dollars)					FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	VITY			Ċ	P-1 ITEM	NOMENCLA	C. P-1 ITEM NOMENCLATURE AUTOMATIC TESTER	OMATIC	TESTER	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPME	ION SUPPORT EQU	JIPMENT				NSN: 492(	NSN: 4920-01-282-4191DQ	1DQ		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED		AWARD DATE OF	QUANTITY	TINO	SPECS	SPECS SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			MOM	REQ'D	AVAIL

		& TYPE			DELIVERY			MON	REQ'D   AVAIL	AVAIL	
FY93	ADVANCE TESTING TECHNOLOGIES, INC (ATTI), HAUPPAGUE,	SS/FFP	AFMC/SA-ALC	DEC 93	NOV 94	4	290,000	<del></del>			
FY98	ATT	SS/FFP	AFMC/SA-ALC	OCT 97	SEP 98	5	315,810 YES	YES	Q.		

	Exhibit P-5a Procurement History and Planning
	PAGE NO.
	P-1 SHOPP LIST PAGE NO. ITEM NO. 63
D. HEMAHNS UNIT COST IS BASED ON FY93 CONTRACT INFLATED.	

FYSEAS BUDGET PRODUCTION SCHEDULE	S NOT	CHED	빌	<u>L</u>	P-1 II EM NOMENCE	) E	į	Š		ē		2	Ì	i	AIONE: AOIOMAINO IESTEN INSIN. 4820-01-202-4181DA		-	1	2	3					2	:	CALE: LEBACANI 1887										
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HAUPPAGUE, N.Y		ŀ	ŀ	1	0000	9	١	T			L		L			l			l	_																	

# REQUIREMENTS STUDY

### DATE: FEBRUARY 1997

ACTIVITY
ON SUPPORT EQUIPMENT APPROPRIATION / BIIDGET

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPASSETS
On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS:

<b>DISPOSALS (Planned &amp; Projected thru FY98 FDP)</b> FY97 since as of date:
FY98;
FY99;
FY00;
FY01;
TOTAL DISPOSALS (35 months)
PROCUREMENT LEADTIME: 12 months

<u>actual training expenditure - N.</u>	16,	96,	95	794	93
AC	FY97	FY96	FY95	FY94	FY93

**NET ASSETS:** 

<b>NINING EXPENDITURE</b>	
<b>OTHER THAN TRAIN</b>	
ACTUAL O	FY97

r v y / F y 96 F y 95 F y 93 REMARKS:

JTOMATIC TESTER			0		12		71	12	7	12 12	
- I IIEM NOMENCLATURE: BENCHTOP RECONFIGURABLE AUTOMATIC TESTER ISN: 4920-01-282-4191DQ	INVENTORY OBJECTIVE  Number of Combat Loads	Assets Required for Combat Loads Combat Expenditures	War Reserve Requirement Annual Training	Annual Testing Maintenance Pipeline	Air Force Requirement	Air National Guard Requirement Air Force Reserve Requirement	TOTAL REQUIREMENT	APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY98 Requirement	Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
-1 IIEM NOMENCLAIURE: ISN: 4920-01-282-4191DQ	4		4	0	0	00	00		4		

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study  $\angle 29$ 

,		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	<b>1997</b>
APPROPRIA AIRCRAFT I	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQU	TIVITY SOMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE MA	P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097	ORM, HIGH REAC	天
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$4.453	0\$	\$0	\$0	\$0	\$0

platform are assembled to form an integrated mechanical structure providing for vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 ft and has a maximum horizontal reach of 60 ft. when the boom is extended to 72 ft. Capacity of the platform is 1,500 lbs. Platform is A. DESCRIPTION/FUNCTION: The Maintenance Platform is a complete self-contained, hydraulically operated unit mounted on a truck type carrier. The aerial lift's main components consist of: a turret, inner and outer columns, inner and outer boom and a platform. The inner and outer boom and used to perform maintenance on and remove/install the stabilizer on C-17 and C-5 aircraft. It can also be used as a deicer on large aircraft.

B. PURPOSE OF PROCUREMENT: FY98 procurement program will satisfy 6 field shortages and 1 replacement.

C. APPLICATION: C-17 and C-5 aircraft.

D. REQUIREMENTS: FY98 - 6 shortages and 1 replacement

E. IMPACT: Failure to procure the High Reach Maintenance Platform will suspend critical maintenance and inspection procedures, particularly those required for the tail section of the C-17 and C-5 aircraft. Currently field units are forced to borrow high reach platforms from other locations or from the local economy which impacts mission readiness by increasing aircraft downtime for maintenance.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	IT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	0)	(Cost in thousands of dollars)	f dollars)					FEB	<b>FEBRUARY 1997</b>	997
B. APPROPRIATION/BUDGET ACTIVITY				C,	-1 ITEM NC	C. P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM	RE MAINTE	NANCE	LATFO	M
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	<b>HON SUPPORT EQU</b>	<b>IPMENT</b>				NSN: 173	NSN: 1730-01-249-0097	97		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	84	DATE	FIRST		COST	AVAIL	REV	MHEN
		& TYPE			DELIVERY			NOW	REQ'D	AVAIL

		& TYPE			DELIVERY			MON	NOW REG'D	AVAIL	
FY96	VCALAVAR NTA FE SPRINGS,	5yr reqmt contract, MIPR	AFMC/SA-ALC	MAY 96	SEP 96	17	570,000				
FY98	DLACALAVAR	OPTION/MIPR. AFMC/SA-ALC	AFMC/SA-ALC	OCT 97	OCT 98	7	636,120	YES	õ		

D. REMARKS
Unit price is based on quote from DLA. Basic competitive contract awarded May 96, expires May 2001. (FY96 contract contained initial C-17 requirements.)

P-1 SHOPP LIST PAGE NO.

Exhibit P-5a Procurement History and Planning

UNCLASSIFIED

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TEMMEG PROCUREMENT S	S	<u> </u>	DALE					Ē	SCAL	FISCAL YEAR 97	197							FIS	FISCAL YEAR 98	YEA	88	1			L			۳	FISCAL YEAR 99	LYE	4R 99				L
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MANUFACTURER'S NAME AND	ğ	PROD RATES		PEA.						PR <sub>O</sub>	E	MEN	LEA	D T	<u></u>					盟	₽₽¥	ö													
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

## **REQUIREMENTS STUDY**

# DATE: FEBRUARY 1997

# /ITY PORT EQUIPMENT

APPROPRIATION / BUDGET ACTIVI AIRCRAFT PROCUREMENT, COMMON SUPP
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds

DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date:
FY98:
FY99;
FY00;
FY01:
TOTAL DISPOSALS (34 months)
PROCUREMENT LEADTIME: 12 months

**NET ASSETS:** 

ACTUAL OTHER THAN TRAINING EXPENDITURE	FY97	FY96	FY95	FY94	FY93	REMARKS:
AC	Ρ¥	₹	₹	F79	₹	REA

### P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

#### PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study  $\angle$  5 %

	52	59	59 52 7
P-1 ITEM NOMENCLATURE: MAINT PLATFORM, HIGH REACH NSN: 1730-01-249-0097	INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training  Annual Testing  Maintenance Pipeline  Air Force Requirement  Air Force Reserve Requirement  Air Force Reserve Requirement	TOTAL REQUIREMENT  APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement
P-1 ITEM NON	31 53 53 0		8

		BUDGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	M JUSTIFICATION IBIT P-40)			DATE FEBRUARY 1997	<b>ገሃ 1997</b>
APPROPRIA AIRCRAFT F	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOME	P-1 ITEM NOMENCLATURE Items Less Than \$2,000,000	Less Than \$2,000	000'(	
	FY 96	FY 97		FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$48.986	\$72.693	\$30.289	\$48.505	\$39.500	\$40.700	\$41.900	\$43.200

for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. A. DESCRIPTION/FUNCTION: Items less than \$2,000,000 procure replacement organizational and intermediate (common and peculiar) support equipment

B. TYPE ITEM: All items are Code A.

A listing of items less than \$2,000,000 follows.

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

	EVOR/00 RIINGET ESTINA	IATE CHRANCEION			
	BP 12 COMMON SUPPORT EQUIPMENT (CSE) ITEMS LESS THAN \$2M (DOLLARS IN MILLIONS)	IT EQUIPMENT (CSE)			
			FY98		FY99
NOON	NSN	QIV	AMOUNT	ØΙΥ	AMOUNT
oser Tornet Designation	1260-01-041-1567		1.916	=	1.968
Floor Crane, 6,000 lb	3950-01-2086	58	1,125	26	1.150
Tool Kit, Swaging	5180-01-374-8266	37	1.968	9	.326
Accessory Kit, Electrical-Electronic	6625-01-431-7920FJ	36	696'		
Comprehensive Engine Diagnostic System	7010-01-333-0711DQ	15	778.		
Portable Balancing System (KC-135)	6635-01-357-6647DQ	21	098.		
Portable Balancing System (A-10)	6635-01-431-5283DQ	38	1.798		
Processor-Interface	6625-01-365-3820DQ	99	750		
Power Supply/Frequency Converter	6130-01-237-16217V	75	1.981	75	86'1
Test Stand, Engine Turbo Prop	4920-01-325-2244			2	1.095
Corrosion Cart	1730-01-073-8228	37	1.697		
Iraller, Propeller	1740-00-247-1244			122	1.066
Traller, Ground Handling	1740-01-066-5068				409.
Hydraulic Test Stand ,(HTS) 3D, Type 1	4920-01-380-7460	2	.784	22	1,510
Hydraulic lest Stand (HIS) 3E, 19pe 11	492U-U1-38U-4/44	7 0	7/0.	67	1.913
Hydraulic lest stand, (HIS) 2D, IVpe 111	4920-NCD01-5317	7	/8/:	4 6	40. 600.
iyardulic lest stand, (His) 2t, 1ype 1V	492U-INCDUI-5318	7	λ/o'.	NZ 57	1.2
Iool Kir, Electrical	5180-01-120-050/	*	271	1000	000'
Advanced Discocatics System	S/S-5/2-10-20-10-10-10-10-10-10-10-10-10-10-10-10-10	0	750	27	1 533
fransponder Test Set	6625-01-076-3416	33	1.456	25	1.315
MJ-18 Lift Truck	1730-01-123-7269	55	1,925	55	1.867
MHU-83C/E LIff Truck	1730-01-123-7270			33	1.978
Adapter Kit, Engine Test Cell	4920-01-257-1258	_	8'0	2	1.636
Bondtester, Metal Flaw Detector	6635-01-161-4551	98	1.071	88	1.036
ZW Gallon Fuel Bowser	2330-UI-3UI-U/53YK			0/ 52	0.432
Floaten I OV Blant	3446 00 078 0000	-	0000	2/	1 670
FIVE ION LOX PIGNI P.1 ANG Mico SE Itams	3000-07-07-07-07	-	1.358	7	0.1
Elicht Control Test Set	4000-01-034-7670DP		200	0	38.1
Stability Augmentor Test Set	4920-00-731-7151DP			20	1.000
Cradie, Ground Handling	1730-01-166-1127			32	0,688
400 Gallon Fuel Bowser	2330-01-245-9458YR			55	0.495
Power Supply Test Set	4920-01-381-6808			61	6.0
600 Gallon Fuel Bowser	2330-01-300-4482YR			35	0.433
Radar Absorbing Material Point Inspect Tool	NSL			ဗ	1.535
Air Data System Cart	NSL			4	1.632
Avionics integrated Support Facilities	******		000'1	9	000.
Spectrometer, Deployable, Oll Analysis	6650-01-320-4283	35	1.567	42	1.922
FSG 1730 Alrcraft Ground Service Equipment			0.504		1.895
FSG 4920 Aircraft Maintenance Shop SE			1.083		2.820
House Storage Tank	3455-01-353-4700			7	1.22.1
Troller 114 Oronno	1730-01-004-6113			67	0.307
Malatanana Kit	400001-254-4200			6	70
Temperature Control	4920-01-292-2173			15	0.316
Test Set Indicator	4920-01-327-1312			8	0.461
Test Set Aux	4920-01-390-4412			20	0,503
Test Set Aircraft	4920-01-411-8917			17	0.347
-lberscope	6650-01-324-3329			46	0,452
Microscope Electronic	6650-01-381-6516			-	0.325
Other			0.611		6.1
TOTA!			30.280		AR FOR
			103:00		

# FY 98/99 PRESIDENT'S BUDGET BP12 COMMON SUPPORT EQUIPMENT FEBRUARY 1997 EXHIBIT P1-R (Dollars in Millions)

	FY96	FY97	FY98	FY99
AIR NATIONAL GUARD (ANG)	\$25.175	\$30.755	\$24.445	\$11.121
AIR FORCE RESERVE (AFR)	\$3.422	\$4.500	\$4.402	\$3.482
TOTAL:	\$28.597	\$35.255	\$28.847	\$14.603

	Date: Feb 97	P-1 ITEM NOMENCLATURE	OI-V
BIIDCET ITEM HIGHENOVER	COORT TIEM SOSIEICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

	Prior	FY 1996	FY 1997	FY 1998	FV1999	FV 2000	EV 2001	EV 2002	TV 2002	
OLIA NITHITIKY						╗		F. I. 4002	E I 2003	Total
COMMITT I										
11. 14. HOOD										
COST (IN millions)				20	110	0 1				
				4.0	0.11	7.1				73.7

# MISSION AND DESCRIPTION:

training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance.

# FY98 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 UTD with Visual Systems package.

# FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 6 UTD with Visual Systems packages.

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EXHIBIT P-40

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OST ANALYSIS	A. Appn/Bu	Budget	B. Popular Name	lame	C. Manufacturer	ırer	D. Date	
(Dollars in Millions)		Title/No.	A-10		,			
(Dollars in Millions)	Aircraft Proc/BA Spt Equip & Fac	Proc/BA07 ip & Fac			Symvionics Pasadena, C	Ċ	Feb-97	
	FY96	Ω 10	FY97	ΩΤΥ 0		QTY 0	FV99	ΩTY
	Unit	Total Cost	Unit	ဥ ၓ	Unit	Total		Total
AIRFRAME/CFE ENGINE/ACCESSORIES AVIONICS: CFE/GFE ARMAMENT OTHER GFE					-		1000	
ECO NON-RECURRING COSTS OTHER COSTS PROGRAM MGT ADMIN REQMTS Subtotal FLYAWAY COSTS				c			1	
AIRFRAME PGSE ENGINE PGSE AVIONICS PGSE				8		S		2
PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA OTHER (ICS) OTHER (HAZMAT)						9. 8		11.8
OTHER (PLANT SHUTDOWN)			•		1		<u>}</u>	
Subtotal SUPPORT COST		0.0		0.0		2.8		11.8
GROSS P-1 COST		0.0		0.0		2.8		11.8
20 LESS: Prior Yr Adv. Proc	<u></u>		······································	0.0	1	0.0		0.0
21 NET P-1 COST		0.0		0.0		2.8		11.8

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	UD TRAIN	ING DEVICE	JUSTIFICAT	ION (\$ M)		Date:	Feb-97		
APPROPRIATION/P-1 Line Item: 3010		Weapon System: A-10	em:	Equipment Nomenclature: Unit Training Device (UTD)	Vomenciatur Device (UT		PE 27131F		
Fin Plan	FY96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	Total
Quantity			<del>-</del>	9	ည				12
Proc			2.8	11.8	9.1				23.7
RDT&E									
0&8									

# TRAINING SYSTEM DESCRIPTION:

training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance. This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation



BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	B-2A BOMBER

	FY 96/Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	0	0	0	235.5	123.5	31.0	17.7	8.0

# MISSION AND DESCRIPTION:

worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform and acquisition strategy provides the user a capability for the lowest possible cost.

# FY 98/99 PROGRAM JUSTIFICATION:

The FY 1999 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and nonrecurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

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### UNCLASSIFIED

AIRCRAFT COST ANALYSIS	A. Appn/Budget	udget	B. Popular Name	Name	C. Manufacturer	cturer	D. Date	Feb-97
EXHIBIT P-5	Activity Title/No	le/No.						
(Dollars in Millions)	Aircraft Procurement	ocurement	B-2 Advanced Tech	ed Tech	Northrop/Grumman	rumman		
	Post Prod	Post Prod Support/BA 7	Bomber		Pico/Rivera,	a, CA		
		QTY		QTY		ATØ		QTV
	FY96		FY97	0	FY98	0	FY99	
	Unit	•	Unit	Total	Unit	₽	Unit	it Total
	Cost	Cost	Cost	Cost	Cost	Cost	_	t Cost
AIRFRAME/CFE		0.0		0.0		0.0		0.0
AV 1 UPGRADE		0.0		0.0		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		 
AVIONICS		0.0		0.0		0.0		<u>ö</u>
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0
OLHER GFE		0.0		0.0		0.0		<u>.</u>
ECU (All Flyaway Components)		0.0		0.0		0.0		3.3
NON-RECURRING COSTS		0.0		0.0		0.0		21.0
OTHER COSTS	,	0.0	,	0.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		
ENGINE PGSE		0.0		0.0		0.0		0.0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0		0.0		3.7
PUBLICATIONS/TECH. DATA		0.0		0.0		0.0		5.2
OTHER (ICS)		0.0		0.0		0.0		45.6
Diogram Management Admin Recort (DMAD)		0.0		0.0		0.0		127.4
OTHER		0.0		0.0		0.0		11.2
Subtotal SUPPORT COST		0.0	•	0.0		0.0		2112
1000		(		(				
1503 F-1 COS		0.0		0.0		0.0		235.5
20 LESS: Prior Yr Adv. Proc	-	0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		0.0		235.5
								EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	C-5

	D.::	7007 AA	EV 1007	EX 1000	EX71000	000C AA	FW 2001	_	C000 XA	Total
	Frior	F X 1990	F I 1997	1997   FT 1998	F I 1999	F X 2000	r x 2001	L X 2002	F X 2003	I Otal
QUANTITY										
COST (IN millions)					29.6					29.6

# MISSION AND DESCRIPTION:

flights by replacing existing subsystems on the training devices to allow FAA Level C equivalent training. The C-5 will replace the current visual system with a current state-of-the-art, commercial off the shelf system. These funds buy one C-5 simulator for the Air National Guard. It is part of the AMC replacement program that will reduce aircraft training

# FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 C-5 simulator for the Air National Guard.

Date: Feb 97	P-1 ITEM NOMENCLATURE	F-15E TACTICAL FIGHTER
BUDGET ITEM JUSTIFICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

	Prior	FY 1996	FY 1997	FV 1998 F	V1000	TV 2000	EV 2001	TO 0000	0000	
OITANTITO		ľ			1		TOO7 T.T	1 F I 2002	FY 2003	Lotal
COMMITT I		0	0	0	<u> </u>	_	•	<	•	
COST (INT MILLS.)				Ì	2	>		0		
		0.7	7.5	~	~	× ×	0	7 0	3	3
					7.5	4.0	7.0	4.0	7 ×	

# MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

# FY98/99 PROGRAM JUSTIFICATION:

This activity funds required for Interim Contractor Support (ICS). ICS is required to provide repair support for critical air vehicle and ground support equipment assets from the time the equipment is fielded until the assets are organically supportable. Grounding of aircraft will result without this repair support. The funds requested in FY98/99 are to support F-15 aircraft already in the inventory.

NOTE: Prior to FY96 this effort was funded out of the F-15 Weapon System line (BA01 / BP10).

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**EXHIBIT P-40** 

		1000	TAFT TOTAL	tame	C. Manufacturer	urer	D. Date	
(Dollare in Millione)	Activity Little Aircraff Broo	Inte/No.	r-15E Eagle			-	1	
		Fac			McDonnell Douglas	ouglas	/s-ge-	
		QTY		ALO		QTY		QTY
-	FY96	0	FY97		FY98	0	FY99	J
	Zii.	Total	Chrit	Total	Zi.	Total	Chit	Total
	Cost	Cost	Cost	Cost		Cost		Cost
AIRFRAME/CFE ENGINE/ACCESSORIES AVIONICS: CFE/GFE ARMAMENT				0.7		0.5		
ECO NON-RECURRING COSTS OTHER COSTS PROGRAM MGT ADMIN REQMTS								
Subtotal FLYAWAY COSTS				7.0		0.5		0.0
AIRFRAME PGSE ENGINE PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA OTHER (ICS)		7.0		0.4		0.0 3.0		3.0
OTHER (PAZMAI) OTHER (SUPPORT CONTRACTS) OTHER (PLANT SHUTDOWN)	······································			0.0 2.8		3.5 0.0 1.1		3.3 1.8
Subtotal SUPPORT COST		7.0		6.8		7.6		8.1
GROSS P-1 COST		7.0		7.5		8.1		8.1
20 LESS: Prior Yr Adv. Proc			<b>1</b>	0.0		0.0		0.0
21 NET P-1 COST		7.0		7.5		8.		8.1

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	F-16 TACTICAL FIGHTER

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY		0	0	0	0	0	0	0	0	
COST (IN millions)		122.3	9.99	22.4	28.3	16.4	13.7	13.2	13.3	296.2

## MISSION AND DESCRIPTION:

speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-F-4s in the active inventory as well as modernize the reserve forces.

## FY98/99 PROGRAM JUSTIFICATION:

procurement of deferred peculiar support equipment, unit training devices, and technical data support. The funds requested in FY98/99 are to support F-16 aircraft procured in FY94 and prior. Post production support requirements for aircraft procured in FY96-97 will be addressed This activity funds the continuation of prime contract support requirements, program management administrative requirements, and the during the next budget cycle.

NOTE: Prior to FY96 this effort was funded out of the F-16 Weapon System line (BA01 / BP10).

AIRCRAFT COST ANALYSIS	A. Appn/Budget	udget	B. Popular Name	ame	C. Manufacturer	Irer	450	
EXHIBIT P-5	Activity Title/No.	tle/No.	F-16 Fighting Falcon	Falcon		5	D. Date	
(Dollars in Millions)	Aircraft Proc	20	)		Lockheed. Ft Worth Co	Worth Co	Feb.97	
	AF/BA07 Post Prod	ost Prod			Ft Worth, TX			
-	į	QTY		QTY		ΩTY		OTV
	FY96	0	FY97	0	FY98		FY99	
	Cuit	Total	Cuit	Total	Z C		- iui	To+oF
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
	0.0	0.0	0.0	0.0	0.0	00	00	
ENGINE/ACCESSORIES	0.0		0.0		0.0		0 0	?
Eng Model:	0.0	0.0	0.0		0.0		2.0	
APMAMENT	0.0		0.0		0.0		0.0	
OTHER REF	0.0		0.0		0.0		0.0	
	0.0		0.0		0.0		0	
NON DECLINATION COMPONENTS)	0.0		0.0		0.0		0.0	
OTHER COSTS	0.0	18.9	0.0	2.9	0.0		0 0	
	0.0	32.9	0.0	34.5	0.0		0.0	
TROGRAM MGI ADMIN REOMTS		10.1		7.4			?	
Subtotal FLYAWAY COSTS	0.0	61.9	0.0	44.8	0.0	0.0	0.0	0.0
AIRFRAME PGSE		19.7		7			•	. (
ENGINE PGSE		9.4		;				6.2
AVIONICS PGSE		5.8		3.3		7.6		
PECULIAR I RAINING EQUIPMENT		4.9		5.0		. <del>4</del>		1. r.
ECO (ALL SLIPPORT ITEMS)		4.4		8.9		5.3		. c.
OTHER (ICS)		700		(				
Program Management Administration (PMA)				0.0		4.6		6.7
Subtotal SUPPORT COST		80.4		0.0	1	0.0		0.0
		4.00		21.8		22.4		28.3
GROSS P-1 COST	-	122.3		9.99		22.4		28.3
20 LESS: Prior Yr Adv. Proc		0.0		0.0				C
21 NET P-1 COST								9.0
1000 1-1-1-1	-	122.3		9.99		22.4	-	28.3

EXHIBIT P-5

SIMULATO	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	ING DEVICE	JUSTIFICA	TION (\$ M)		Date:	1-Feb-97		
APPROPRIATION/P-1 Line Item: 3010		Weapon System: F-16	stem:	Equipment Nomenclature: Unit Training Device (UTD)	Equipment Nomenclature: Jnit Training Device (UTD)	.e: D)	PE 27133F		
-									
Fin Plan	FY95/Prior	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	70	Total
Quantity	99								56
Proc	40.9	4.9	5.0	4.3	5.9	0.0	1.0	2.1	65.0
RDT&E	0.0	0.5	3.4	6.6	4.2	2.3	2.5	0.0	19.5
O&S									

## TRAINING SYSTEM DESCRIPTION:

areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level. The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the

NOTE: FY95/Prior Year are funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07.

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EXHIBIT P-43 Page 1 of 2





# SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)

Training Device by Type:

**MAINTENANCE TRAINERS** 

Date: Feb 97 Wea

7 Weapon System: F-16 UTD

Description/Justification:

LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures,

at the unit level. This contract expires 30 Sep 98.

NOTE: FY95 and prior were funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07.

	-	alla sa	manhasn	years are	runded	IN BP13,	BAU1.					
FINANCIAL PLAN Prior Years FY 97 FY 98 FY 99	Prior Ye	ars	FY 97		FΥ	86	FY 99		Cost to	Cost to Complet   Total Costs	Total Co	sts
	QTY	COST	ΩTY	COST	ΩTY	COST	αTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS Device (Hardware) ECO's Nonrecurring GFE	56	40.86									55	40.86
Total Hardware Costs	20	40.86		0	<u>l</u>	0		0		0	56	40.86
SUPPORT COSTS												
Special SE Integrated Logistics Support Other		4.87	······································	4.97		4.34		5.88		3.90		23.96
Total Support Costs		4.87		4.97		4.34		5.88		3.90		23.96
Total Costs		45.73	<b>I</b>	4.97	<u> </u>	4.34		5.88		3.90	L	64.82
					<del></del>							
						·						
				-								

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS

	FY 1996	FY 1997	FY 1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN millions)	38.392	33.113	25.855	27.833	30.577	32.635	33.307	33.442

## Mission and Description:

- 1. Air Force industrial activities combine the resources of several appropriations to create a comprehensive program. The goal is to ensure that the defense industry is capable of supplying reliable, affordable systems to operational commanders. Major elements in the program include management of government-owned industrial plants, the Defense Production Act Program, and support for industrial base (IB) activities. IB activities characterize the critical sectors and industries within the industrial base and provide information on industrial capability issues for consideration during key budget allocation, weapon acquisition, and logistic support decision processes. Funds in this appropriation are to support the aircraft procurement segment of Air Force activities.
- 2. Although the elements of cost are broken down in greater detail, two basic activities are funded in this appropriation: Industrial Plants and Industrial Base Activities.
- compliance, equipment movement and energy conservation at DoD-owned, contractor-operated industrial facilities. These plants are the A.B.C.D.F. and H. Air Force Industrial Plants cost elements. Consists of repair and expansion, major rehabilitation, environmental backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, F-117 and future F-22
- E. Industrial Base Activities cost element. Provides for identification, analysis, and limited pilots and/or pathfinders for problems, constraints, essential and endangered capabilities in the industrial base sectors (aircraft). Collection and maintenance of industrial (aircraft) data supports affordable acquisition and sustainability requirements.

#### **EXHIBIT P-5**

#### UNCLASSIFIED

PROGRAM COST BREAKDOWN	Date: FEB 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS

ELEMENT OF COST         IDENT         FY 1996         FY 1997         FY 1998           A. EXPANSIONS         1000         COST         COST         TOTAL           A. EXPANSIONS         1000         S.517         COST           B. PACKING, CRATING, & 2000         8.672         5.917         COST           HANDLING         C. CAPITAL TYPE         3000         8.672         5.917         5.405           REHABILITATION         4.601         4.601         4.401         3.765           B. INDUSTRIAL BASE         6000         4.601         4.401         3.765           ASSESSMENT         F. ENVIRONMENTAL         8000         19.804         19.183         16.685           PROTECTION         G. INDUSTRIAL         8000         4.601         4.401         3.765           AMODERNIZATION         8000         19.804         19.183         16.685           PROTECTION         G. INDUSTRIAL         MODERNIZATION         18.600         18.600           H. ENERGY         9000         19.804         19.183         16.685					(Total C	ost in Mil	(Total Cost in Millions of Dollars)	ars)	
EATING, & 2000         TOTAL COST COST COST COST         QTY TOTAL COST COST COST         QTY TOTAL COST COST COST COST COST COST COST COST	ELEMENT OF COST	IDENT CODE	FY 1996	FY	1997	FY	1998		FY 1999
EATING, & 2000  NT & 4000  NT & 4000  S.315  NT AL  NTAL  NTAL  9000  S.315  3.612			TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
RATING, & 2000       8.672       5.917         PE       3000       8.672       5.917         DN       4000       5.315       3.612         NT       4.601       4.401         BASE       6000       4.601       4.401         NTAL       7000       19.804       19.183         N       8000       19.804       19.183         N       9000       19.804       19.183	A. EXPANSIONS	1000							
PE       3000       8.672       5.917         NT       4000       5.315       3.612         NN       4.601       4.401       4.401         NTAL       7000       19.804       19.183         NN       8000       19.804       19.183         N       9000       19.000	B. PACKING, CRATING, & HANDLING	2000							
NT & 4000 5.315 3.612  NN BASE 6000 4.601 4.401  NTAL 7000 19.804 19.183  NM 9000 9000	C. CAPITAL TYPE REHABILITATION	3000	8.672		5.917		5.405		5.675
BASE         6000         4.601         4.401           NTAL         7000         19.804         19.183           NN         8000         19.000	D. REPLACEMENT & MODERNIZATION	4000	5.315		3.612		0		0
NTAL 7000 19.804 19.183	E. INDUSTRIAL BASE ASSESSMENT	0009	4.601		4.401		3.765		4.098
NO	F. ENVIRONMENTAL PROTECTION	7000	19.804		19.183		16.685		18.060
IION	G. INDUSTRIAL MODERNIZATION	8000							
	H. ENERGY CONSERVATION	0006							
TOTALS 38:392 33:113 25:855	TOTALS		38,392		33.113		25.855		27.833

FY 98 PRESIDENT'S BUDGET BP 17 WAR CONSUMABLES FEBRUARY 1997

FY 98 PRESIDENT'S BUDGET BP 17 WAR CONSUMABLES FEBRUARY 1997

		BODB	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION 3IT P-40)			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY	BUDGET ACTIVITY APAFWAR CONSUMABLES			BUDGET PR	BUDGET PROGRAM 1700 OVERVIEW	ERVIEW	
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY								
COST (In Mil)	\$24,615	\$56.243	\$67.565	\$59.699	\$65.927	\$84.288	\$92.472	\$132.118

- DESRIPTION/FUNCTION: This program provides initial/replacement War Consumables, and includes commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP), Missile Rail launchers and RF (expendable) Towed Decoys. These items (applicable to more than one weapon system) are used to support War Reserve Materiel (WRM) requirements or fleet inventory objectives. Ä
- PURPOSE OF PROCUREMENT: Items are being procured to fill deficits in WRM levels or fleet inventory objectives. œ.
- C. APPLICATION: Air Force maintained aircraft weapons systems.
- REQUIREMENTS: Items required include launchers, adapters, and RF Towed Decoys. ä
- E. SUMMARY of FY98-99 PROCUREMENTS:

	FY99 cost	\$ 8.474	\$20.916	\$ 2.002	\$28,307	\$59.699
Millions)	OIX	94	909	185	1094	
(\$ in	FY98 cost	\$ 8.206	\$20.279	\$ 1.944	\$37.136	\$67.565
	ZΙσ			185		
	ITEM	LAU-118(v)4/A ALIC Launcher	LAU-117A(v)3 Missile Launcher	Adapter, ADÚ-552/A	RF Towed Decovs	TOTAL
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PAGE NO.

P-1 SHOPP LIST ITEM NO.70

		BUDGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	M JUSTIFICATION IBIT P-40)			DATE: FEBRUARY 1997	RY 1997
APPROPRIA.	APPROPRIATION/BUDGET ACTIVITY	TIVITY		-1 ITE	<b>VCLATURE</b>			
	APAF/WAR (	APAF/WAR CONSUMABLES		LAU-118	(v)4/A w/ACFT LA	<b>UNCHER INTERF</b>	LAU-118(v)4/A w/ACFT LAUNCHER INTERFACE COMPUTER (ALIC)	(ALIC)
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	94	94	0	0	0	0
COST (In Mil)	\$0.0	\$0.0	\$8.206	\$8.474	\$0.0	\$0.0	\$0.0	\$0.0

A. DESCRIPTION/FUNCTION: The LAU-118(v)4/A ALIC Launcher is applicable to the F-16 aircraft. It is attached to the aft section of the LAU-118(v)4/A HARM Launcher and provides an interface to the AGM-88 (HARM) anti-radiation missile. This interface is provided through the F-16 C/D AGM-65 (Maverick) missile system and supplies missile targeting/tracking data and launch signals to on-board AGM-88 HARM missiles for defense suppression capability.

B. PURPOSE OF PROCUREMENT: The Launchers are intended to replace those that are jettisoned in wartime. Normal peacetime stocks are insufficient to sustain projected wartime sortie rates. Funding in FY98/99 procures WRM deficits for this item.

C. IMPACTS: Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

PAGE NO.	

BUDGE	BUDGET PROCUREMENT HI	INT HISTORY PLA	STORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY	VAR CONSUM	ABLES		C. P-1 ITE	M NOMEN	CLATURE:	C. P-1 ITEM NOMENCLATURE: LAU-118(v)4/A ALIC LAUNCHER	A ALIC I	AUNCH	ER
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1998 FY 1999	TBD   TBD	C/FFP C/FFP	AFMC/ASC   AFMC/ASC	JAN 98 JAN 99	OCT 98	96 94	\$87,302.00	YES YES	0 0 2 0	

D. REMARKS				
	P-1 SHOPP LIST PAGE NO. ITEM NO. 70	PAGE NO.	Exhibit P-5a Procurement History and Planning	
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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

Page 2 of 2 Pages
Exhibit P.21 Production Schedule

		BODGI	<b>BUDGET ITEM JUSTII</b>	M JUSTIFICATION			DATE	
			(EXHIBIT P-40)	6			FEBRUARY 1997	۲۲ 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	FIVITY		P-1 ITEM NOMENCLATURE	ICLATURE			
	APAF/WAR C	APAF/WAR CONSUMABLES			LAU-117A(1	LAU-117A(v)3 MISSILE LAUNCHER	ICHER	
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	0	0	<u> </u>	909	0	0	0	0
COST (In Mil)	\$0.00	\$0.00	\$20.279	\$20.916	\$0.00	\$0.00	\$0.00	\$0.00

- A. DESCRIPTION/FUNCTION: The LAU-117A(v)3 Missile Launcher is a single-rail launcher for the AGM-65 (Maverick) missile used on fighter aircraft (A-10, F-15, and F-16).
- PURPOSE OF PROCUREMENT: The Launchers are intended to replace older version Launchers that are jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements. ю
- C. IMPACTS: Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

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	9)	(Cost in thousands of dollars)	f dollars)		,			FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	LIΑ			C. P-1 ITE	M NOMEN	CLATURE:	C. P-1 ITEM NOMENCLATURE: LAU-117A(v)3 MISSILE LAUNCHER	3 MISSIL	E LAUNC	HER
APAF	APAF/WAR CONSUMABLES	BLES					•			
Cost Element/	CONTRACTOR	CONTRACT	CONTRACT CONTRACTED AWARD	AWARD	DATE OF QUANTITY	QUANTITY	TIND	SPECS	SPECS SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
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D. REMARKS			
	P-1 SHOPP LIST ITEM NO. 70	PAGE NO.	Exhibit P-5a Procurement History and Planning
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			BUDGET ITEM JUSTIFIC (EXHIBIT P-40)	JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	7Y 1997
APPROPRIA.	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMENCLATURE	ICLATURE			
	APAF/WAR C	APAF/WAR CONSUMABLES			ADAPTE	ADAPTER, ADU-552/A		٠
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	704	0	185	185	0	0	0	0
COST (In Mil)	\$7.182	\$0.00	\$1.944	\$2.002	\$0.00	\$0.00	\$0.00	\$0.00

A. DESRIPTION/FUNCTION: The Guided Missile Launcher Adapter, ADU-552/A, is used to adapt the LAU-128 missile launcher to the inboard pylon on F-15A-D Multi-Stage Improvement Program (MSIP) modified aircraft and F-15E aircraft.

- PURPOSE OF PROCUREMENT: The ADU-552/A adapters are intended to replace those jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements. œ
- C. IMPACTS: Lack of available WRM stocks prevent sustainment of projected wartime sortie rates for F-15's configured for LAU-128 missile launchers.

#### UNCLASSIFIED P-1 SHOPP LIST ITEM NO. 70

PAGE NO.

BUDGET	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	JREMENT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	) (	(Cost in thousands of dollars)	f dollars)		•	i		FEB	<b>FEBRUARY 1997</b>	1997
B. APPROPRIATION/BUDGET ACTIVITY	TY			C. P-1 ITI	EM NOMEN	<b>CLATURE:</b>	C. P-1 ITEM NOMENCLATURE: ADAPTER, ADU-552/A	ADU-552//	-	
APAF	APAF/WAR CONSUMABLES	BLES					•			
Cost Element	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF QUANTITY	QUANTITY	UNIT	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	ΒĄ	DATE	FIRST		COST	AVAIL	REV	WHEN
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FY 1996	Federal Prison Industries (FPI) - UNICOR	C/FP	AFMC/WR-ALC	SEP 96	OCT 97	704	\$10,202.00	•••		
FY 1998	Phoenix, AZ FPI - UNICOR Phoenix A7	OPTION	AFMC/WR-ALC	OCT 97	OCT 98	185	\$10,508.00	YES	9	
FY 1999	FPI - UNICOR Phoenix, AZ	NOILdo	AFMC/WR-ALC	OCT 98	MAR 99	185	\$10,823.00	YES	8	

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P-1 SHOPP LIST PAGE NO. ITEM NO. 70

Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

			BUDGI	BUDGET ITEM JUSTIFI	JUSTIFICATION			DATE: FEBRUARY 1997	<b>IRY 1997</b>
	APPROPRIA	TION/BUDGET AC	:TIVITY		P-1 ITEM NOME	NCLATURE			
		APAF/WAR (	CONSUMABLES		ADVANCE	O AIRBORNE EXP	ENDABLE DECOY	/ (AAED); RF Tow	ed Decoy
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
P-1 ITEM NOMENCLATURE	QUANTITY	0	975	1403	1094	1325	1992	2600	4855
MABLES         P-1 ITEM NOMENCLATURE           ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed I           7 1997         FY 1999         FY 2000         FY 2001         FY 2002           975         1403         1094         1325         1992         2600	COST (In Mil)	\$0.0	\$27.247	\$37.136	\$28.307	\$33.836	\$51.428	\$63.682	\$103.215

threats. Major system components for the F-16 are the AAED (includes towline assembly & canister), magazine and a launcher/controller mounted in a modified 16-S-350 pylon. Major system components for the B-1B are the AAED (includes towline assembly & canister), magazine, launcher, launch controller AAED onto both F-16 and B-1B aircraft. It provides RF protection for the aircraft by acting as an RF repeater to decoy threat systems that engage it, resulting A. DESCRIPTION/FUNCTION: The AAED (Radio Frequency (RF) Towed Decoy) is part of the AN/ALE-50 RF Towed Decoy System which integrates the in increased miss distance. The AN/ALE-50 RF Towed Decoy System enhances each platform's countermeasures capability against modern RF missile and fairings.

- B. PURPOSE OF PROCUREMENT: FY97 FY99 includes requirements for fielding AAED's for F-16 and B-1B aircraft.
- C. IMPACTS: Lack of available decoys prevents sustainment of projected wartime sortie rates, impeding wartime missions.

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P-1 SHOP LIST ITEM NO. 70

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B. APPROPRIATION/BUDGET ACTIVITY APAF/W	CTIVITY APAF/WAR CONSUMABLES	ABLES		C. P-1 ITE EXPEND/	M NOMEN	CLATURE: .	C. P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed Decoy	AIRBOR coy	NE E	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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FY 1998 FY 1999	GOIGIA, CA SAME SAME	OPTION - FPIF AFMC/ASC OPTION - FPIF AFMC/ASC	AFMC/ASC AFMC/ASC	Dec 97 Dec 98	Jan 99 Jan 00	1403	\$26,468.99	YES	0 Q	

	Exhibit P-5a Procurement History and Planning	
	PAGE NO.	
	P-1 SHOPP LIST PAGE NO. ITEM NO. 70	
D. REMARKS		

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TOTAL		3472 2028		1444 117 117 116	117	117		85	92 91	6	<u>=</u>	6	91	6	6	91	0	0	-	-	0	0	0	-	0	0	-	-		0	0	٥	•	-	0
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## **REQUIREMENTS STUDY**

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY

(AAED); RF Towed Decoy

## APPROPRIATION / BUDGET ACTIVITY

Due-in w/all Prior Years' Funds APAF/WAR CONSUMABLES On Hand as of 31 Mar 96 Due-in w/FY97 Funds

TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP) FY97 since as of date: FY99: FY98: FY00:

PROCUREMENT LEADTIME: 15 months TOTAL DISPOSALS (\_\_\_\_MONTHS) FY01:

**NET ASSETS:** 

**ACTUAL TRAINING EXPENDITURE** FY96 FY95 FY94 FY93 **FY97** 

ACTUAL OTHER THAN TRAINING EXPENDITURE FY97. FY96 FY95 FY94 FY93

	17306	3472	3472 975 2497 1403	3472 975 1403 1094
INVENTORY OBJECTIVE  Number of Combat Loads  Assets Required for Combat Loads  Combat Expenditures  War Reserve Requirement  Annual Training	Maintenance Pipeline Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement	TOTAL REQUIREMENT  APPROVED ACQUISITION OBJECTIVE	PROCUREMENT REQUIREMENT  Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	Total FY99 Requirement Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement Planned FY99 Procurement
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UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 70

PAGE NO.

Exhibit P-20 Requirements Study 769

ATION SHEET Feb-97	P-1 NOMENCLATURE	& FACILITIES MISCELLANEOUS PRODUCTION CHARGES	8   FY(BY+1) 99   FY(BY+2) 00   FY(BY+3) 01   FY(BY+4) 02   FY(BY+5) 03			359,047 247,600 342,343 330,708 322,853
BUDGET ITEM JUSTIFICATION SHEET		CRAFT SUPPORT EQ & FACILIT	FY(BY) 98	0 0		194,326 275,804 35
,	APPROPRIATION/BUDGET ACTIVITY	$\circ$	FY(PY) 96 FY(CY) 97	QUANTITY 0 0 0	COST	(in thousands) 171,416 194,

These programs provide for items which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contain certain classified programs.

P-1 Shopping List Page No.

EXHIBIT P-40

DATE: Feb 97  FY 1998/1999 BIENNIAL BUDGET ESTIMATE  MISCELLANEOUS PRODUCTION CHARGES  (Dollars in Thousands)	DESTIBILITY BENDENT EST NEOUS PRODUCTION CH. (Dollars in Thousands)	IMATE ARGES		P-1900
	FY 96	FY 97	FY 98	FY99
Classified Programs	27,587	44,908	128,010	112,414
C-5 Airborne Broadcast Intelligence (ABI)	0	0	1,518	1,433
Command and Control Module (Silver Bullet)	0	0	4,937	0
ECM Support	9,447	0	0	0
Electronic Warfare Integrated Reprogramming	0	0	5,431	5,949
F-22	0	0	0	2,974
Interim Contractor Support	1,166	2,569	633	548
KC-135 Airborne Broadcast Intelligence (ABI)	0	0	1,525	1,562
LANTIRN	202	0	0	0
Manned Destructive Suppression	0	0	0	10,465
NAVSTAR GPS (User Equipment)	40,191	32,175	43,685	45,076
NATO Alliance Ground Surveillance	0	0	0	93,195
NATO AWACS Modernization	50,423	86,602	69,823	65,900
Pollution Prevention	6,742	6,869	3,911	1,964
Range Improvement	3,658	21,203	10,110	17,567
TARS Podded Reconnaissance System	32,000	0	6,221	0
TOTAL COST	171,416	194,326	275,804	359,047



MISCELLANEOUS PRODUCTION CHARGES FY 1998/1999 BIENNIAL BUDGET ESTIMATE (Dollars in Thousands)

DATE: Feb 97

P-1900

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:				
	FY 96	FY 97	FY 98	FV 99
BASIS FOR COST ESTIMATE			) \ •	
Special Evaluation Program	2,766	25,290	7,122	621
Compass Call	5,736	0	0	24,647
Classified Programs	19,085	10,912	18,224	42,306
Advanced Program Evaluation	0.	8,706	102,664	44,840

## UNCLASSIFIED

112,414

128,010

44,908

27,587

TOTAL COST

## FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET

DATE: Feb 97

P-1900

(Dollars in Thousands)

PROJECT TITLE: C-5 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: C-5

aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews aircraft from hostilities during combat operations. The ABI system addresses this deficiency and increases aircrew survivability by providing DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect This project is a new start to modify and integrate on the C-5 previously developed intelligence communication and display equipment. implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to enables aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness and These systems are intended to be interchangeable between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	1,518	1,433
TOTAL COST	0	0	1,518	1,433

DATE: Feb 97

P-1900

# FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: Command and Control Module (Silver Bullet)

MODELS OF AIRCRAFT APPLICABLE: C-141, C-17, KC-10

comfort package designed to fit on C-141, C-17, and KC-10 aircraft. The Silver Bullet provides a means for senior military and Use of the Silver Bullet allows senior military and government officials to fly into austere locations where support for official DESCRIPTION/JUSTIFICATION: The Silver Bullet is a deployable (palletized) communications and Distinguished Visitor executive officials to work, conference, and rest onboard military aircraft while enroute to deployed locations. The ability to communications that include secure and non-secure voice/data/fax world-wide via UHF SATCOM, INMARSAT, and HF. government aircraft is non-existent. The FY98 request will procure two Silver Bullet Command and Control Modules. maintain contact with military forces and to keep abreast of rapidly changing situations is provided with onboard

PROJECTED FINANCIAL PLAN: BASIS FOR COST ESTIMATE:	FY 96	FY 97	FY 98	
Silver Bullet	0	0	4,937	
TOTAL COST	0	0	4,937	

FY 99

0

0

DATE: Feb 97

# FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: Electronic Warfare Integrated Reprogramming (EWIR)

MODELS OF AIRCRAFT APPLICABLE: F-16, F-15, A-10, B-52, B-1B, MC-130, AC-130, MH-53J, MH-60, EF-111

support tools for Air Combat Command, Air Force Special Operations Command, and Air Mobility Command electronic warfare DESCRIPTION/JUSTIFICATION: This program provides electronic countermeasure (ECM) support of the Electronic Warfare development, configuration management, maintenance and testing of electronic warfare system software and reprogramming Avionics Integration Support Facility (EWAISF) for the EWIR process. The EWAISF is the primary support facility in the systems.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	<u>FY 98</u>	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	5,431	5,949
TOTAL COST	0	0	5,431	5,949

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE

P-1900

# MISCELLANEOUS PRODUCTION CHARGES FACT SHEET

(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Funds provide logistics support suite for the transition to organic capability for NAVSTAR GPS (User Equipment).

FY 97 FY 98 FY 99		2,569 633 548	2.569 633 548
PLAN: FY 96	ATE:	Eq) 1,166	1,166
PROJECTED FINANCIAL PLAN:	BASIS FOR COST ESTIMATE:	NAVSTAR GPS (User Eq)	TOTAL COST

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: KC-135 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: KC-135S

This project is a new start to modify and integrate on the KC-135 previously developed intelligence communication and display equipment. DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect aircraft from hostilities during combat operations. ABI addresses this deficiency and increases aircrew survivability by providing aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. enabling aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness thus These systems are intended to be transferred between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	1,525	1,562
TOTAL COST	0	0	1,525	1,562

DATE: Feb 97

P-1900

## FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: NAVSTAR Global Positioning System (GPS) User Equipment

MODELS OF AIRCRAFT APPLICABLE: C-17A, C-130, E-8, and F-117

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment and associated costs for the above aircraft. This program also includes production engineering, testing, and other support to all GPS modifications.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
Non-recurring/Integration	40,191	32,175	43,685	45,076
TOTAL COST	40,191	32,175	43,685	45,076

DATE: Feb 97

# FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: NATO AWACS Modernization

MODELS OF AIRCRAFT APPLICABLE: E-3A

Cooperative developments include Electronic Support Measures (ESM), and the Radar System Improvement Program (RSIP. Modernization Program to update NATO E-3s with capabilities similar to the U.S., United Kingdom, and French E-3s under DESCRIPTION/JUSTIFICATION: NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area NATO AWACS also includes the U.S. contributions to the Mid-Term Modernizations Program beginning in FY98. Some the 1990 addendum to the Multilateral Memorandum of Understanding. Upgrades include the anti-jam radio (Have Quick communications, and satellite communications. Near- and mid-term projects will maintain fleet operational effectiveness of operation. This project provides the U.S. contribution to the NATO Airborne Early Warning and Control Near-Term and interoperability well into the 21st century. An amendment to the 1990 Multilateral Memorandum of Understanding A-Nets), JTIDS TADIL J data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO of the upgrades identified for the mid-term effort include man-machine interface, multi-sensor integration, digital addendum is planned for 12 nation signature by June 1997.

## PROJECTED FINANCIAL PLAN:

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
AWACS - Near-Term	50,423	86,602	44,451	22,366
AWACS - Mid-Term	0	0	25,372	43,534
TOTAL COST	50,423	86,602	69,823	65,900

DATE: Feb 97

## MISCELLANEOUS PRODUCTION CHARGES FACT SHEET FY 1998/1999 BIENNIAL BUDGET ESTIMATE

P-1900

(Dollars in Thousands)

PROJECT TITLE: NATO Alliance Ground Surveillance (AGS)

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: NATO has identified a requirement for an Alliance Ground Surveillance (AGS) capability. It has Modifications will be incorporated onto two U.S. Joint STARS (P-10 and P-12) diverted from the U.S. production line. A January ment effort to provide for NATO, from airborne platforms, near-real-time surveillance and targeting information on moving and TADIL-J (Link 16) and surveillance and control data link (SCDL) messages and man-machine interface and system databases). also determined that this system should be NATO-owned and operated, similar to NATO AWACS. Current U.S. effort defines and execute battle decisions. These production funds and the accompanying RDT&E funds initiate a two-phased U.S. governstationary ground targets (enhanced to include maritime operations), slow moving rotary and fixed-wing aircraft, and rotating 1998 award supports a December 2000 delivery of the first NATO aircraft. Phase II is a US/NATO cooperative development an AGS system within the NATO architecture based on Joint STARS to enable operational and tactical commanders to make antennas. Phase I develops minimum modifications to U.S. Joint STARS baseline to support NATO interoperability (i.e., effort of system enhancements (radar, satellite communications and wide-band data line). Radar enhancements include enhanced synthetic aperture radar (ESAR), inverse SAR, swath SAR, and maritime mode.

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to the air, land, and water. It includes requirements such as require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention Comprehensive Pollution Prevention Strategy, and the Air Force Pollution Prevention Strategy. This budget item identifies the pollution prevention efrigerant recovery equipment, recycling equipment, efforts to reduce solid waste generation, enhanced hazardous material management practices, goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Orders 12856 and 12873, the DoD DESCRIPTION/JUSTIFICATION: Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.

## PROJECTED FINANCIAL PLAN:

FY 98		3,911	3,911
FY 97		6,869	6,869
FY 96		6,742	6,742
	BASIS FOR COST ESTIMATE:	PROGRAM COST	TOTAL COST

DATE: Feb 97

# FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: Range Improvement

MODELS OF AIRCRAFT APPLICABLE: A-10, F-15, F-16, F-111

are interoperable with Navy ranges, and provide the capability to train aircrews in air-to-air combat, air-to-ground combat, and electronic warfare, while providing real-time monitoring and control of aircraft during large force exercises and recording events for post-mission debrief and analysis. The pods known as Air Combat Maneuvering Instrumentation (ACMI) systems. However, the nomenclature has changed over the years to better reflect system DESCRIPTION/JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and operational testing of weapon systems and tactics under simulated combat conditions. Originally, range instrumentation systems were upgrades and specific uses of individual systems. The second generation systems, capable of handling 36 aircraft simultaneously, are referred to as Measurement and Debriefing Systems (MDS). The overall range instrumentation systems are now known as Air Combat Training Systems, are airborne systems of ACTS and provide altitude, position, and vector tracking data plus other aircraft avionics and weapon event data. The FY97 effort includes \$8.0M to instrument the Air National Guard Combat Readiness Training Center at Alpena MI.

a radar altimeter, UHF transmitter, and aircrew prompting system. Pods developed/procured beginning in FY95 will have GPS capability. DEVELOPMENT STATUS: P-4AX, P-4AW, P-4B, and P-4BX pods and associated test sets are complete. The P-4 series contained

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
ACMI PODS	3,658	21,203	10,110	17,567
TOTAL COST	3,658	21,203	10,110	17,567

DATE: Feb 97

P-1900

# FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: TARS Podded Reconnaissance System

MODELS OF AIRCRAFT APPLICABLE: F-16C, Block 30

in a pod on the F-16, and a small Common Imagery Ground/Surface System (CIG/SS) compliant ground exploitation system. visible light imagery. The system will consist of electro-optical sensors, a pod management system, and recorder carried DESCRIPTION/JUSTIFICATION: The TARS podded reconnaissance System (PRS) provides the USAF with an 18-20 sensor management system, ground station, and support equipment. The FY98 request will procure the medium altitude All systems will be operated by the Air National Guard (ANG). The concept of operations distributes the systems (four per squadron) among five ANG F-15 squadrons. FY96 funds procure pods, electro-optical camera package, recorder, fighter-based reconnaissance capability to satisfy the requirement for responsive, under-the-weather, high resolution, mid-bay sensors.

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FY 97 0	FY 96 BASIS FOR COST ESTIMATE:	AWACS 32,000	TOTAL COST 32,000
	FY 97	0	0
	FY 99	0	0

							DATE	
		BUDGETIT	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET			Feb-97	-97
APPROPRIATION/BUDGET ACTIVITY:	<b>3UDGET ACTIVI</b>	TY:			P-1 NOMENCLATURE	URE		
AIRCRAFT PROCUREMENT, AF/ BA 07, AIRCRAFT SUPPORT EQ & FACILITIES	REMENT, AF/ B/	A 07, AIRCRAFT S	UPPORT EQ & FA	ACILITIES		Common EC	Common ECM Equipment	
	FY(PY) 96	FY(PY) 96 FY(CY) 97	FY(BY) 98	FY(BY) 98 FY(BY+1) 99	FY(BY+2) 00	FY(BY+2) 00 FY(BY+3) 01 FY(BY+4) 02	FY(BY+4) 02	FY(BY+5) 03
QUANTITY								
COST								
(in thousands)	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783

These programs provide for electronic countermeasures and related support equipment which (1) is not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, and (3) can be managed as separate end items. This procurement line item also contains certain classified programs.

	FY(PY) 96	FY(CY) 97	FY(BY) 98	FY(BY+1) 99	FY(BY+2) 00	FY(BY+3) 01	FY(BY+4) 02	FY(BY+5) 03
ALQ-184/ALQ-131	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783
	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783

P-1 Shopping List Page No.

EXHIBIT P-40

							DATE	
		BUDGET ITE	<b>BUDGET ITEM JUSTIFICATION SHEET</b>	N SHEET			Feb	Feb-97
APPROPRIATION/BUDGET ACTIVITY	UDGET ACTIVIT	Υ			P-I NOMENCLATURE	TURE		
AIRCRAFT PROCUREMENT, AF/ BA 07, AIRCRAFT SUPPORT EQ & FACILITIES	EMENT, AF/ BA	07, AIRCRAFT S	UPPORT EQ & F.	ACILITIES	-	ALQ-184	ALQ-184/ALQ-131	
	FY(PY) 96	FY(PY) 96   FY(CY) 97	FY(BY) 98	FY(BY) 98   FY(BY+1) 99	FY(BY+2) 00	FY(BY+3) 01	FY(BY+2) 00   FY(BY+3) 01   FY(BY+4) 02   FY(BY+5) 03	FY(BY+5) 03
QUANTITY								
COST								
(in thousands)	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,738

MISSION AND DESCRIPTION: This project supports the acquisition of kits to modify the ALQ-119 into the ALQ-184 and ALQ-131 Block II pod configurations to counter terminal and airborne interceptor radar systems.

PROGRAM JUSTIFICATION: The FY98 and FY99 funding provides for software upgrades, ECPs, program support, and product improvement. The FY00 request provides funding for software upgrades, ECPs, program support, and product improvement to continue the effort.

FY(BY+5) 03	5,738
FY(BY+4) 02	5,610
FY(BY+3) 01	5,392
FY(BY+2) 00	5,326
FY(BY+1) 99	5,151
FY(BY) 98	4,564
FY(CY) 97	4,571
FY(PY) 96	4,706
	ALQ-184/ALQ-131

P-1 Shopping List Page No.

AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Air	Aircraft Model	B. Po ALC	B. Popular Name ALQ-184/131	C. M.	C. Manufacturer Raytheon	D.	D. Date Feb-97
		QTY		QTY		QTY		QTY
	FY 96	0	FY 97	0	FY 98	0	FY 99	0
	Unit	Total	Unit	Total	Unit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
<ol> <li>AIRFRAME/CFE</li> <li>ENGINE/ACCESSORIES (PER A/C)</li> <li>(Engine Model: )</li> <li>AVIONICS: CFE         GFE</li> <li>ARMAMENT</li> <li>OTHER GFE</li> <li>ECO (ALL FLY-AWAY COMPONENTS)</li> <li>NON-RECURRING COSTS</li> <li>OTHER COSTS</li> </ol>								
9. FLY-AWAY COSTS		0		0		0		0
<ol> <li>10. AIRFRAME PGSE</li> <li>11. ENGINE PGSE</li> <li>12. AVIONICS PGSE</li> <li>13. PECULIAR TRAINING EQUIPMENT</li> <li>14. PUBLICATIONS/TECH DATA</li> <li>15. ECO (ALL SUPPORT ITEMS)</li> <li>16. OTHER</li> <li>17. INTERIM CONTRACTOR SUPPORT</li> </ol>		4,706		4,571		4,564		5,151
18. SUPPORT COSTS		4,706		4,571		4,564		5,151
19. GROSS P-1 COST 20. LESS: PRIOR YEAR ADV PROC		4,706 0		4,571 0		4,564 0		5,151 0
21. NET P-1 COST		4,706		4,571		4,564		5,151
					-		EXH	EXHIBIT P-5

PROCUREMENT	PROCUREMENT HISTORY AND PLANNING	PLANNING								DATE: Feb 97	Feb 97
APPROPRIATIO	APPROPRIATION/BUDGET ACTIVITY	IVITY				P-1 ITEM NOMENCLATURE	MENCLATUR	E			
AIRCRAFT PRO	AIRCRAFT PROCUREMENT/AF, BA 07, AIRCRAFT SUPPORT EQ	BA 07, AIRCI	RAFT SUPPOR	TEQ & FACILITIES					ALQ-184/131		
I INF ITEM/		CONTRACT	CONTRACT	P/R RELEASE	AWARD	DATE OF FIRST		TINII	SPECS	SPECS	IF YES, WHEN
FISCAL YEAR	FISCAL YEAR CONTRACTOR AND TYPE	AND TYPE	BY	DATE	DATE	DELIVERY	QTY	COST	NOW?	REQUIRED?	AVAIL?
Kit											
FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	Yes	No	N/A
		·									
						·					
REMARKS: Cor	REMARKS: Contract is an FY88 document with dates, prices, and deliveries established as annual options.	locument with	dates, prices, an	nd deliveries es	tablished as ar	ınual options.					

P-1 Shopping List
UNCLASSIFIED

EXHIBIT P-5a

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BUDGET ITEM JUSTIFICATION SHEET	Date: FEB 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07,AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	Defense Airborne Reconnaissance Program (DARP)

	FY 1996	FY 1997	FY1998	FY1999	FY2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	203.5	150.7	141.5	157.9	128.0	114.5	112.1	111.3

MISSION AND DESCRIPTION: Information pertaining to DARP programs is classified and available on a need-to-know basis.